



CELL CULTURE MEDIA | ANTIBIOTICS | SUPPLEMENTS



Your Partner in Cell Research



A wide range of media both in dehydrated powder and liquid forms can help accelerate your research and optimize your process.

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ATCC offers a complex array of human, animal, insect, fish and stem cells to choose from.

**Authorized Distributor of ATCC**  
Cell lines and Cell line related services

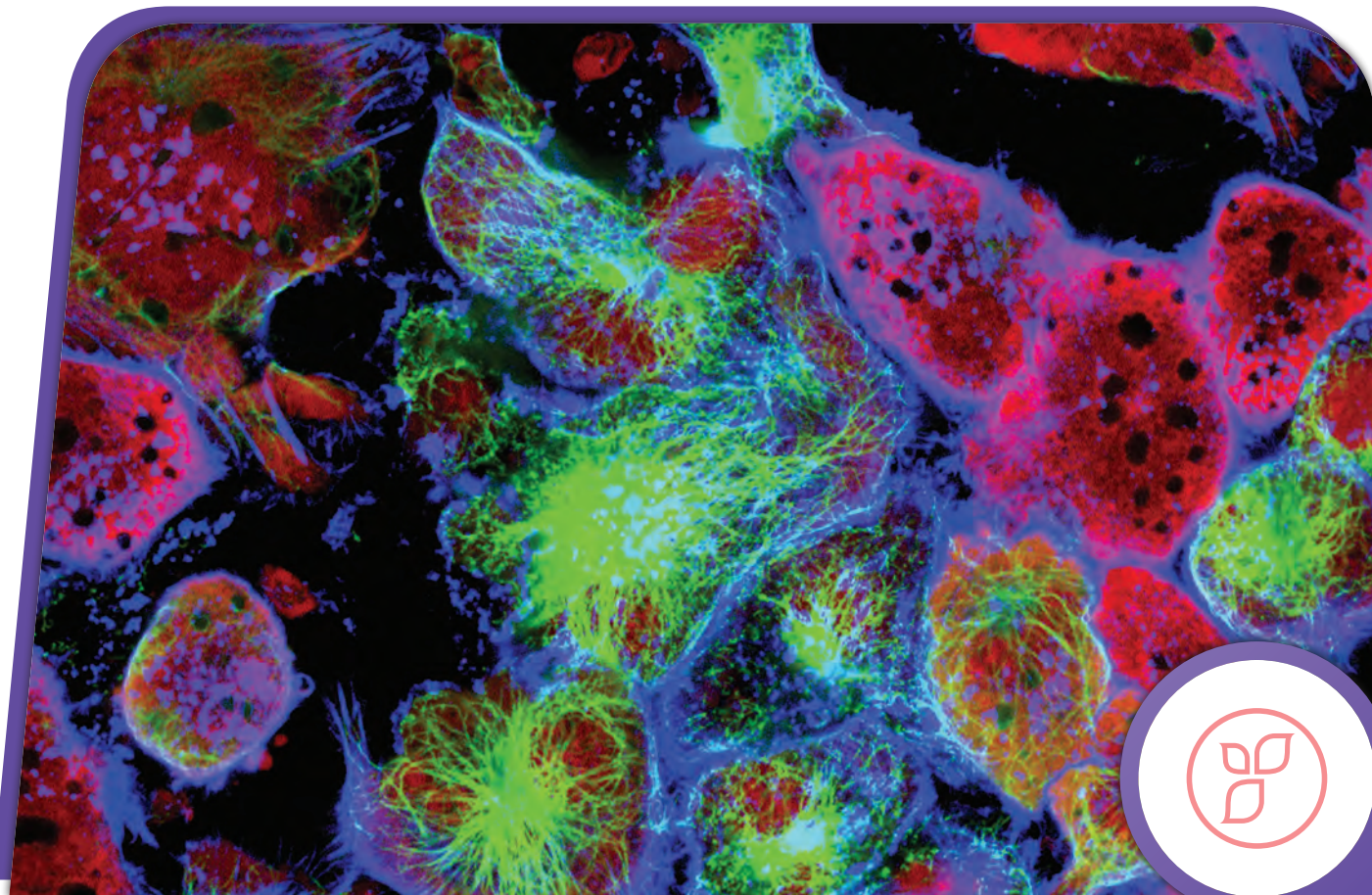
Dear Patrons,

HiMedia is pleased to announce that we have been appointed as an authorized distributor in India for ATCC products and services.

We are delighted to serve you with this new product range, and we are thankful for your continued trust in our service.

For additional product information, contact us at [atcc.sales@himedialabs.com](mailto:atcc.sales@himedialabs.com)

For detailed information about the ATCC portfolio, visit the ATCC website online at [www.atcc.org](http://www.atcc.org)





**Cells Lines**

- Animal Cells
- Human Cells
- Reporter-labeled Cell Lines
- Cell Lines by Genetic Mutation
- Human Primary Cells
- Misidentified Cell Lines
- Tumor/Normal Matched Cell Lines
- Human Induced Pluripotent Stem (IPS) Cells
- hTERT Immortalized Cell Lines
- Hybridomas
- Stem Cells
- Tumor Cell Panels
- Cell Line Genomic DNA
- Organoids



**Cell Culture Reagents**

- Antibiotics
- Buffers and Stains
- Cryopreservation Reagents
- Dissociation Reagents
- Feeder Layer Cells
- Hybridoma Development
- Molecular Grade Water
- Media
- Supplements
- Substrates
- Polysaccharides
- Sera
- Transfection Reagents



**New Product Launches**

- Human Cancer Models
- Isogenic Cell Lines
- Luciferase Cell Lines
- EMT/MET Reporter Cells

A wide  
array of  
human,  
animal  
insect,  
fish and  
stem cells  
to choose  
from...



**Custom Solutions**

- Cell and Microbial Authentication**
- Cell and Microbial Banking**
- Controls and Derivatives**
- CRISPR/Cas9 Genome Editing**



**Testing & Characterization Services**

- Cell Proliferation Assay Kits**
- Mycoplasma Testing**
- STR Profiling for Human Cells**
- STR Profiling for Mouse Cells**

SERVICES

www.himedialabs.com



HiMedia offers clone specific range of serum free media and feeds for recombinant CHO cells for production of biomolecules.

## BIOPRODUCTION PLATFORM

Product	Prefix	Page
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<b>CHOin1™ DHFR</b> Media and Feeds for CHO-DHFR Clones	SFM, SFF	368
<b>CHOin1™ -K1</b> Media and Feeds for CHO-K1 Clones	SFM, SFF	369
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## Bio-Production Platform

Antibodies are amongst one of the most expensive therapeutics being used. This is mainly due to their widespread applications in chronic diseases such as cancer in high doses (more than 100 mg) due to their low potency. Large scale processes are required to produce 10-100 kg per year to cope up with market demands. One of the major factor contributing to the high cost of therapeutic antibodies is the medium used for cultivation. Understanding the growing need for anti-cancer antibodies, we predict that our affordable lower cost SFM will eventually make our Pharma companies more competitive in the highly competitive global Biosimilar market with a fairly priced final product and will enable them to provide these medicines at affordable cost in developing as well as developed nations.

**For more info :**

atc@himedialabs.com | [www.himedialabs.com](http://www.himedialabs.com)

ACC



# Bio-Production Platform

**Comprehensive range of clone-specific serum-free, protein free media and feed supplements and Bio-Production services**



ACC



# Bio Production Platform

## Bio Production Media and Supplements



ACC

Product	Code	Packing	Price in ₹
<b>CHOin1™ -GS Media and Feeds for CHO-GS Clones</b>			
<b>CHOin1™ -GS Serum Free CHO Medium, Animal Component Free, Chemically Defined</b> w/ Sodium bicarbonate and Pluronic F-68® w/o L-Glutamine Sterile filtered Part A - Basal Medium (liquid) Part B - Serum-free Growth Supplement <i>Store at -20°C</i>	SFM007L-1000ML	1000ml	
<b>CHOin1™ -GS Serum Free CHO Medium, Animal Component Free, Chemically Defined</b> w/ Pluronic F-68® w/o L-Glutamine and Sodium bicarbonate Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement <i>Store at -20°C</i>	SFM007AP-1L SFM007AP-10L	1l 10l	
<b>GS-Plus™ Feed Supplement</b> Chemically Defined, Animal Component-Free w/ D-Glucose and Pluronic F-68® w/o L-Glutamine	SFF001P-1L SFF001P-5L	1l 5l	

Product	Code	Packing	Price in ₹
<b>CHOin1™ -DHFR Media and Feeds for CHO-DHFR Clones</b>			
<b>CHOin1™ -DHFR Serum Free CHO Medium, Animal Component Free, Chemically Defined</b> w/Sodium bicarbonate and Pluronic F-68® w/o L-Glutamine and Phenol red Sterile filtered Part A: Basal medium (Liquid) Part B: Serum-free growth supplement <i>Store at -20°C</i>	SFM032L-1000ML	1000ml	
<b>CHOin1™ -DHFR Serum Free CHO Medium, Animal Component Free, Chemically Defined</b> w/ Pluronic F-68® w/o L-Glutamine, Sodium bicarbonate and Phenol red Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement <i>Store at -20°C</i>	SFM032AP-1L SFM032AP-10L	1l 10l	
<b>DHFR-Plus™ Feed Supplement</b> Chemically Defined, Animal Component-Free w/ D-Glucose and Pluronic F-68® w/o L-Glutamine and Phenol red	SFF002P-1L SFM032L-5L	1l 5l	

Product	Code	Packing	Price in ₹
<b>CHOin1™-K1 Media and Feeds for CHO-K1 Clones</b>			
<b>CHOin1™-K1 Serum Free CHO Medium, Animal Component Free, Chemically Defined</b> w/ Sodium bicarbonate and Pluronic F-68® w/o L-Glutamine and Phenol red Sterile filtered Part A - Basal Medium (liquid) Part B - Serum-free Growth Supplement Store at -20°C	SFM033L-1000ML	1000ml	
<b>CHOin1™-K1 Serum Free CHO Medium, Animal Component Free, Chemically Defined</b> w/ Pluronic F-68® w/o L-Glutamine, Sodium bicarbonate and Phenol red Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement Store at -20°C	SFM033AP-1L SFM033AP-5L	1l 5l	
<b>K1-Plus™ Feed Supplement Chemically Defined, Animal Component-Free</b> w/ D-Glucose and Pluronic F-68® w/o L-Glutamine	SFF003P-1L SFF003P-5L	1l 5l	
<b>Serum Free Supplements</b>			
<b>Polyamine Supplement 1000X</b> Sterile filtered	TCL197-10ML	10ml	
<b>Cholesterol Supplement, 250X</b>	TCL092-50ML	50ml	
<b>GSEM Supplement, 50X Liquid</b> Store at -20°C	TCL088-100ML	100ml	
<b>Lipid Supplement, 100X</b>	TCL091-100ML	100ml	
<b>HAT Medium Supplement 50X, Liquid</b> w/ 680.5 mg per litre Hypoxanthine, 8.8 mg/litre Aminopterin and 193.8 mg/litre Thymidine in Phosphate Buffered Saline 10ml HAT supplement is sufficient for 500ml medium Store at -20°C	TCL072-10ML TCL072-100ML	5x10ml 10x10ml 100ml	
<b>HT Medium Supplement 50X, Liquid</b> w/ 680.5 mg per litre Hypoxanthine and 193.8 mg/litre Thymidine in Phosphate Buffered Saline 10ml HT supplement is sufficient for 500ml medium Store at -20°C	TCL073-10ML TCL073-100ML	5x10ml 10x10ml 100ml	
<b>ITS Supplement 100X, Liquid</b> w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin and 0.5 µg per ml Sodium Selenite in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL064-10ML	10ml	
<b>ITS-E Supplement 100X, Liquid</b> w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin, 0.5 µg per ml Sodium Selenite and 0.2 mg per ml Ethanolamine in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL065-10ML	10ml	

Product	Code	Packing	Price in ₹
<b>ITS-P Supplement 100X, Liquid</b> w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin, 0.5 µg per ml Sodium Selenite and 12 mg per ml Sodium pyruvate in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL066-10ML	10ml	
<b>ITS-B Supplement 100X, Liquid</b> w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin, 0.5 µg per ml Sodium Selenite and 50 mg per ml Bovine serum albumin in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL067-10ML	10ml	
<b>ITS-L1 Supplement 100X Liquid</b> w/ 1 mg per ml Insulin from bovine pancreas, 0.55 mg per ml Human Transferrin, 0.5 µg per ml Sodium Selenite, 50 mg per ml Bovine serum albumin, 470 µg per ml Linoleic acid and 470 µg per ml Oleic acid in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL097-10ML	10ml	
<b>ITS-D Supplement 100X Liquid</b> w/ 1 mg per ml insulin, 0.55 mg per ml Transformin, 0.67 µg per ml Sodium Selenite and 4 µg per ml Dexamethasone in Earle's Balanced Salt Solution w/o Phenol red Store at -20°C	TCL124-10ML	10ml	
<b>Related products</b>			
<b>pH Regulator for Bioreactor</b> Sterile filtered Store at 15-30°C	TCL196-500ML	500ml	
<b>Pluronic F-68® Solution 10%, 100X</b> Sterile filtered Store at 15-30°C	TCL023-100ML	100ml	
<b>D-(+)-Glucose Solution 45%, Autoclaved</b> w/ 45% D-(+)-Glucose in sterile tissue culture grade water Store at 15-30°C	TCL077-100ML TCL077-500ML	100ml 500ml	
<b>Recombinant Human Insulin Solution, 10mg/ml</b>	TCL035-10ML TCL035-20ML	10ml 20ml	
<b>Recombinant Human Insulin Solution, 5mg/ml</b>	TCL125-10ML TCL125-20ML	10ml 20ml	
<b>Bovine Albumin Fraction V 7.5% Solution</b> in Dulbecco's Phosphate Buffered Saline	TCL036-100ML	100ml	

for hydrolysates please refer to page 411 - 412

## Bio Production Services

Media Development

Spent Media Analysis

Media Optimization

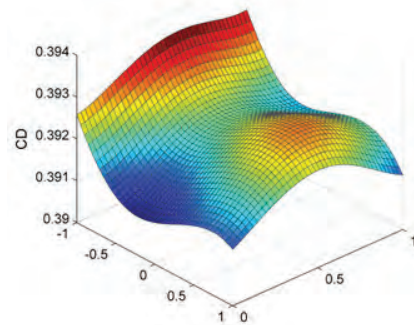
### Media Development Service

#### Clone Security Assured

Rely on us for optimizing media and feed for your high-value clones

#### Systematic Media Development

Each recombinant CHO clone engineered to produce therapeutic proteins exhibits unique metabolic demands. Optimal productivity of each clone at large scale requires clone-specific medium and feed.



At the core of a bio manufacturing process for recombinant proteins is the production cell line. It influences the productivity and product quality. Its characteristics also dictate process development, as the process is optimized to complement the producing cell to achieve the target productivity and quality.

We are firmly committed to honor your intellectual property. We have a complete understanding of the confidentiality of your process. All your information is handled confidentially and we assure you that it will never be disclosed. We sign a confidentiality agreement to ensure that the integrity of your

- Legal contract in form of non-disclosure agreement
- Dedicated liquid nitrogen storage tanks for clone banking
- Access to Bio-Production laboratory controlled by retina security scanner

Clone and process is not compromised.

With the help "Design of Experiments", our scientists follow a systematic approach for customization of media and feed. In a comprehensive approach, our R&D scientists can create an optimal nutritional environment, developing media formulations specifically suited to your working clone. We can formulate nutrient supplements to your specifications for bioreactor feed strategies.

Accuracy of the results is further assured by using high-throughput automated instruments and minimal manual intervention.

## Spent Media Analysis Service

<b>Biochemical Analysis</b> Estimation of primary indicators of culture kinetics Glucose, Lactate, Glutamine, Ammonia, Sodium, Potassium, Calcium, pO <sub>2</sub> , pCO <sub>2</sub>	<b>Amino Acid Analysis</b> Estimation of rate-limiting and productivity influencing factors Free amino acids
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Nutrient consumption pattern over time provides critical understanding of what the cells are using and what do they require throughout culture period. This supports rational fine-tuning of specific nutrient requirements to improve cell viability, peak culture density and longevity, finally resulting in highest productivity and quality of output.

Spent medium analysis is therefore a major tool to analyse CMAs, CPPs and CQAs in critical processes such as

- Media screening and development
- Clone screening and selection
- Process development
- Optimization of feeding strategy

Spent Media Analytical Service offers you a complete set of tests required to analyse nutrient profile of your spent media. Using a complete regime of advanced analytical instruments, our team of experience scientists has optimized and validated methods for analysis of cell culture supernatants.

### Biochemical Analysis

#### Chemistry

	Limit of Detection
Glucose	0.10g/L
Lactate	0.10g/L
Glutamine	0.1mmol/L
Glutamic acid	0.1mmol/L
Ammonia	0.2mmol/L
Sodium	40mmol/L
Potassium	1.00mmol/L
Calcium	0.1mmol/L
pO <sub>2</sub>	3.0mmHg
pCO <sub>2</sub>	3.0mmHg

### Amino Acid Analysis

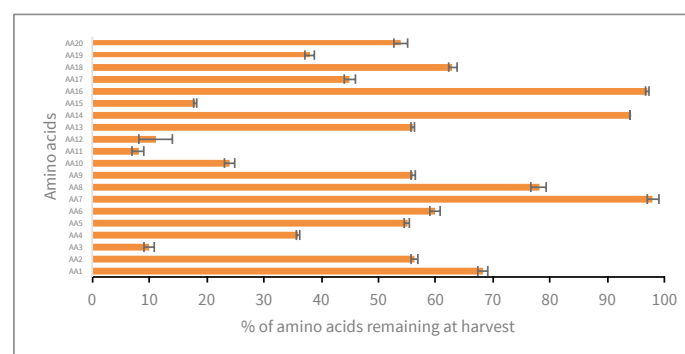
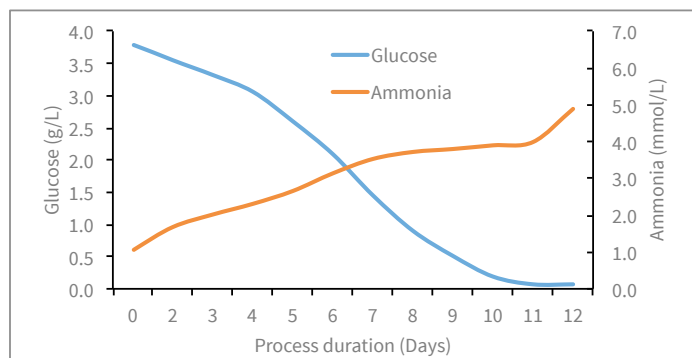
#### Standard AA Profile (18 amino acids)

Alanine, Arginine, Aspartic acid, Cystine, Glutamic acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Proline, Serine, Threonine, Tryptophan, Tyrosine, Valine

#### Advanced AA Profile (total 35 amino acids)

18 standard amino acids + 1-methyl histidine, 3-methyl histidine, Alpha-amino-adipic acid, Alpha-amino-butyric acid, Asparagine, β-alanine, β-amino isobutyric acid, Carnosine, Citrulline, Gaba aminobutyric acid, Hydroxyproline, Ornithine, Phosphoethanolamine, Phosphoserine, Taurine, Urea

[Limit of Detection : Varies as per amino acid (~100nM)]



[Glucose consumption and ammonia accumulation pattern in a typical CHO-GS culture in batch mode]



## Media Optimization Service

Scale up validation service is specially designed for laboratories that may have limited time, personnel, lab space and resources. And also for the laboratories which require third party validation.



### Three level scale up testing

Level I



15ml Bioreactor Tubes

Level II



250ml Shake Flasks

Level III



Bioreactors 0.4L to 1.5L

Level III validation is very critical because build-up of carbon dioxide, ammonia and lactate affect -

- Peak cell density
- Cell specific productivity
- Batch specific productivity
- Product quality

Optimization of these critical process parameters at Pilot scale ultimately determines productivity of the culture at Production scale.

Equipped with a set of high end parallel bioreactors (Capacity 0.4L to 1.5L), we can help you validate your process at all scale up levels.

www.himedialabs.com



- Scalability & high viral titres
- Serum free media & Chemicals required for vaccine production.

## VIRUS PRODUCTION PLATFORM

Product	Prefix	Page
CELLin1™	SFM	375
BHKin1™	SFM	375
PrimaVac™	AL, AT	375
Virus Purification Chemicals	TC	376

Product	Prefix	Page
Virus Precipitation Chemicals	TC	376
Vaccine stabilizers & adjuvants	TC	376-377

ACC

# Vaccine Production Platform



ACC

## CELLin1™

Chemically defined, Animal free, Serum free Virus Production Medium

**Suitable for MDCK, MDBK, VERO and PK-15**

## BHKin1™

Chemically defined, Animal free, Serum free BHK-21 Virus Production Medium

**Suitable for FMD vaccine production**

## PrimaVac™

Virus Production Medium for Primary Cells

**Suitable for chick embryo primary fibroblasts**

### Assisting you at every step of Viral Vaccine Production

Step 1 : Cell Banking

Step 2 : Upstream Processing - Virus Production

Step 3 : Downstream Processing - Virus harvest

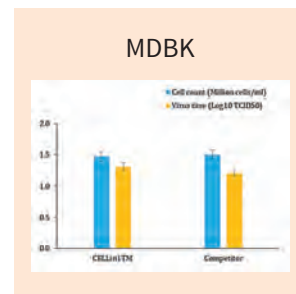
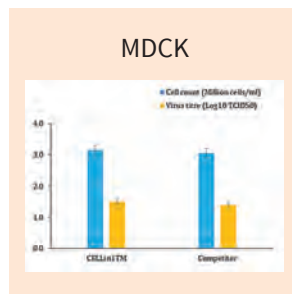
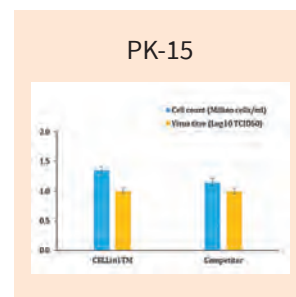
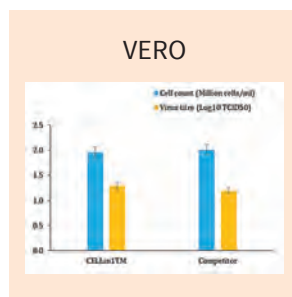
Step 4 : Vaccine Formulation

# Vaccine Production Platform

Product	Code	Packing	Price in ₹
<b>Vaccine Production</b>			
<b>CELLin1™</b>			
<b>CELLin1™</b> Chemically defined, Animal Component Free Virus Production medium w/o L-Glutamine and Sodium bicarbonate Contains basal medium in liquid form Part A - Basal Medium (liquid) Part B - Serum-free growth supplement Store at -20°C	<b>New</b> SFM036L-1000ML	1000ml	
<b>CELLin1™</b> Chemically defined, Animal Component Free Virus Production medium w/o L-Glutamine and Sodium bicarbonate Contains basal medium in powder form Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement Store at -20°C	<b>New</b> SFM036AP-1L SFM036AP-10L	1l 10l	

<b>BHKin1™</b>			
<b>BHKin1™</b> Serum Free BHK Medium, Animal Component Free, Chemically Defined w/ Sodium bicarbonate and Pluronic F68 w/o L-Glutamine 1X Liquid Serum Free Cell Culture Medium Part A - Basal Medium (liquid) Part B - Serum-free growth supplement Store at -20°C	<b>New</b> SFM006L-1000ML	1000ml	
<b>BHKin1™</b> Chemically defined, Animal component free, Serum free BHK-21 Virus Production Medium w/ Pluronic F68 w/o L-Glutamine and Sodium bicarbonate Part A - Basal Medium (powder) Part B - Serum-free Growth Supplement Store at -20°C	<b>New</b> SFM006AP-1L SFM006AP-10L	1l 10l	
<b>Glasgow's Minimum Essential Medium GMEM</b> w/ L-Glutamine w/o Tryptose Phosphate broth and Sodium bicarbonate	AT102-5L AT102-10X1L AT102-20L AT102-50L	5lt 10x1lt 20lt 50lt	
<b>Glasgow's Minimum Essential Medium GMEM</b> w/ L-Glutamine and Tryptose Phosphate Broth w/o Sodium bicarbonate	AT069-5L AT069-10X1L AT069-20L	5lt 10x1lt 20lt	
<b>Glasgow's Minimum Essential Medium GMEM</b> w/ L-Glutamine and NEAA w/o Sodium phosphate, Sodium bicarbonate and Tryptose Phosphate Broth	AT058-1L AT058-10X1L AT058-20L	1lt 10x1lt 20lt	

Product	Code	Packing	Price in ₹
<b>Tryptose Phosphate Broth</b>			
<b>Tryptose Phosphate Broth</b> Cell Culture Grade Store at 15-30°C	AT811-100G AT811-500G	100gm 500gm	
<b>PrimaVac™</b>			
<b>Chick Embryo Fibroblast Medium</b> w/ L-Glutamine w/o Sodium bicarbonate	AT168-1L AT168-10X1L AT168-20L AT168-50L	1lt 10x1lt 20lt 50lt	
<b>Chick Embryo Fibroblast Medium</b> w/ L-Glutamine and Sodium bicarbonate	AL168A-100ML AL168A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	



**01**  
Production of Rabies virus in Vero cells using CELLin1™

**02**  
Production of Porcine Circovirus Type 1 in PK-15 cells using CELLin1™

**03**  
Production of Influenza A virus in MDCK cells using CELLin1™

**04**  
Production of BHV-1 in MDBK cells using CELLin1™



Product	Code	Packing	Price in ₹
<b>Virus Purification</b>			
<b>Sucrose</b> D-(+)-Saccharose, Sugar Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{12}H_{22}O_{11}$ MW : 342.30 CAS : 57-50-1 Store below 30°C	TC048M-500G	500gm	
	TC048M-1KG	1kg	
	TC048M-5KG	5kg	
<b>D-(-)-Sorbitol</b> Polyhydric alcohol; D- Glucitol; Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_{14}O_6$ MW : 182.17 CAS : 50-70-4 Store below 30°C	TC170M-500G	500gm	
	TC170M-1KG	1kg	
	TC170M-5KG	5kg	
<b>Glycerol</b> Glycerin Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $HOCH_2CH(OH)CH_2OH$ MW : 92.09 CAS : 56-81-5 Store below 30°C	TC503M-500ML	500ml	
	TC503M-1L	1lt	

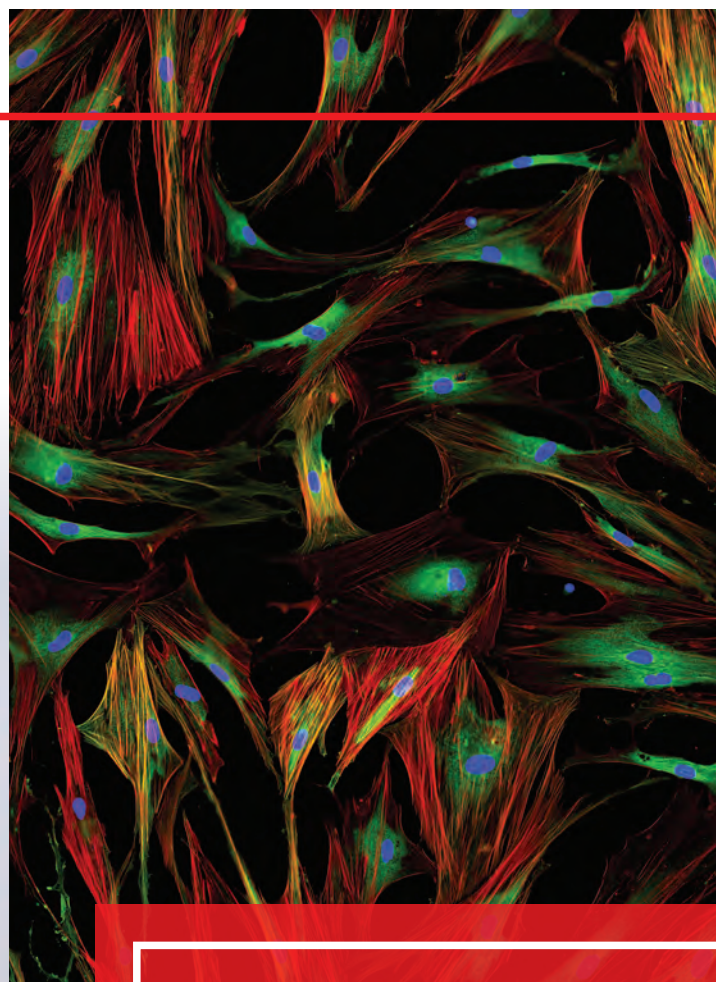
<b>Virus Precipitation</b>			
<b>Polysorbate 80</b> (See: Tween® 80) Polyoxyethylene 20 sorbitan monooleate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CAS : 9005-65-6 Store below 30°C	TC543M-100ML	100ml	
	TC543M-500ML	500ml	
<b>Polysorbate 20</b> (See: Tween® 20) Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications CAS : 9005-64-5 Store below 30°C	TC287M-100ML	100ml	
	TC287M-5x100ML	5x100ml	
<b>Sodium chloride</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NaCl MW : 58.44 CAS : 7647-14-5 Store below 30°C	TC046M-500G	500gm	
	TC046M-1KG	1kg	
	TC046M-5KG	5kg	
	TC046M-10KG	10kg	
<b>Tween® 80</b> (See: Polysorbate 80) Polyoxyethylene 20 sorbitan monooleate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CAS : 9005-65-6 Store below 30°C	TC543M-100ML	100ml	
	TC543M-500ML	500ml	

Product	Code	Packing	Price in ₹
<b>Vaccine Stabilizers and Adjuvant</b>			
<b>Aluminium hydroxide, dried gel</b> Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications MW : 78 CAS : 21645-51-2 Store below 30°C	TC550M-500G	500gm	
	TC550M-1KG	1kg	
	TC550M-5KG	5kg	
<b>Aluminium phosphate gel</b> Meets EP 9.0 and BP 2016 testing specifications $AlO_3P$ MW : 121.95 CAS : 7784-30-7 Store below 30°C	TC551M-100ML	100ml	
	TC551M-500ML	500ml	
<b>Aluminium phosphate gel</b> Meets USP 41-NF 36 testing specifications $AlO_3P$ MW : 121.95 CAS : 7784-30-7 Store below 30°C	TC551U-100ML	100ml	
	TC551U-500ML	500ml	
<b>Aluminium potassium sulphate dodecahydrate</b> (See: Potassium alum dodecahydrate) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $KAl(SO_4)_2 \cdot 12H_2O$ MW : 474.39 CAS : 7784-24-9 Store below 30°C	TC552M-500G	500gm	
	TC552M-1KG	1kg	
<b>Ammonium sulphate</b> Diammonium sulphate Meets USP 41-NF 36 testing specifications $(NH_4)_2SO_4$ MW : 132.14 CAS : 7783-20-2 Store below 30°C	TC553U-500G	500gm	
	TC553U-1KG	1kg	
	TC553U-5KG	5kg	
<b>Benzethonium chloride</b> Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_{27}H_{42}ClNO_2$ MW : 448.09 CAS : 121-54-0 Store below 30°C	TC554M-100G	100gm	
	TC554M-250G	250gm	
<b>Bromoethyl amine hydrobromide</b> 2-Aminoethyl bromide hydrobromide $BrCH_2CH_2NH_2 \cdot HBr$ MW : 204.89 CAS : 2576-47-8 Assay : ≥96% Store below 30°C	TC516-100G	100gm	
	TC516-1KG	1kg	
	TC516-5KG	5kg	
<b>Cetyl trimethyl ammonium bromide</b> Cetrimonium bromide; Hexadecyltrimethylammonium bromide Meets USP 41-NF 36 testing specifications MW : 364.45 CAS : 57-09-0 Assay : ≥96% Store below 30°C	TC555U-25G	25gm	
	TC555U-100G	100gm	
	TC555U-500G	500gm	

Product	Code	Packing	Price in ₹
<b>Formaldehyde sol, ≥35%</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CH <sub>2</sub> O MW : 30.03      CAS : 50-00-0 Store below 30°C	TC557M-500ML	500ml	
<b>Glutaraldehyde, 50%</b> Glutaral Meets USP 41- NF 36, BP 2016 and IP 2018 testing specifications MW : 100.12      CAS : 111-30-8 Store at 2 - 8°C	TC558M-100ML	100ml	
<b>Hemin</b> MW : 652      CAS : 16009-13-5 Assay : ≥95% Store at 2 - 8°C	TC559-1G TC559-5G	1gm 5gm	
<b>Magnesium stearate</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C <sub>26</sub> H <sub>70</sub> MgO <sub>4</sub> MW : 591.27      CAS : 557-04-0 Store below 30°C	TC560M-500G TC560M-1KG	500gm 1kg	
<b>Mineral oil</b> White Mineral oil C <sub>2</sub> H <sub>6</sub> OS MW : 78.13      CAS : 8042-47-5 Store below 30°C	TC600-100ML TC600-500ML	100ml 500ml	
<b>Monosodium glutamate</b> Meets USP 41-NF 36 testing specifications MW : 169.11 Assay : ≥99% Store below 30°C	TC561U-100G TC561U-500G	100gm 500gm	
<b>2-Phenoxyethanol</b> Phenoxyethanol, 2-Phenoxyethyl alcohol Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> MW : 138.16      CAS : 122-99-6 Store below 30°C	TC549M-500ML	500ml	

Product	Code	Packing	Price in ₹
<b>Povidone, K-value ≤15</b> Plasdone C; PVP; 1-Vinyl-2-pyrrolidinone polymer Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications (C <sub>6</sub> H <sub>9</sub> NO) <sub>n</sub> CAS : 9003-39-8 Store below 30°C	TC601M-10G TC601M-50G TC601M-100G TC601M-500G	10gm 50gm 100gm 500gm	
<b>Povidone, K-value &gt; 15</b> Plasdone C; PVP; 1-Vinyl-2-pyrrolidinone polymer Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications (C <sub>6</sub> H <sub>9</sub> NO) <sub>n</sub> CAS : 9003-39-8 Store below 30°C	TC562M-10G TC562M-50G TC562M-100G TC562M-500G	10gm 50gm 100gm 500gm	
<b>Potassium Alum dodecahydrate</b> (See: Aluminium potassium sulphate, dodecahydrate) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications KAl(SO <sub>4</sub> ) <sub>2</sub> ·12H <sub>2</sub> O MW : 474.39      CAS : 7784-24-9 Store below 30°C	TC552M-500G TC552M-1KG	500gm 1kg	
<b>β-Propiolactone</b> C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> MW : 72.06      CAS : 57-57-8 Assay : ≥97% Store at -20°C	TC223-100ML	100ml	
<b>Protamine sulphate</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications MW : 372.42      CAS : 9009-65-8 Store below 30°C	TC563M-10G TC563M-50G	10gm 50gm	
<b>Span® 80, Vaccine grade</b> C <sub>2</sub> H <sub>44</sub> O <sub>6</sub> MW : 428.6      CAS : 1338-43-8 Store below 30°C	TC599-100ML TC599-500ML	100ml 500ml	
<b>Span® 80</b> <span style="color: red; font-weight: bold;">New</span> Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specification C <sub>24</sub> H <sub>44</sub> O <sub>6</sub> MW : 428.60      CAS : 1338-43-8 Store below 30°C	TC599M-100ML TC599M-500ML TC599M-1L	100ml 500ml 1lt	

# MEDIA



CLASSICAL MEDIA

LOSERA™

HIGLUTAXL™

HITRANSFECT™

HYBRIDOXL™

Refer page no. 383 - 399

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Cell culture experiments are time consuming, require premium quality resources and triplicate repetitions for obtaining statistically significant results. Seek our services for faster and accurate results.



## CUSTOM SERVICE PLATFORM

Your experiments... Our expertise...

Our Custom Testing Services provide you with a complete solution to make your experiments easier and faster, assuring you the accuracy and authenticity of results.

With more than a decade of experience in Animal Cell Culture, we possess a comprehensive array of premium quality media, reagents and kits. A team of competent scientists at our lab have optimized and validated numerous cell culture techniques. Equipped with high throughput automated instruments complying with the latest technology, we also have advanced analytical tools for statistical analysis of the experimental data. From a wide variety of cancerous cell lines, stem cells and primary cells, you can select the cell line of your choice depending on your experimental requirement!

Save your precious time... Depend on us...

### FEATURES

- Validated method of analysis
- Save your time and resources
- Detailed statistical analysis and comprehensive report
- Accuracy of results assured by the use of high throughput, automated instruments



### SERVICES OFFERED

#### DRUG SCREENING

Viability and Cytotoxicity

High throughput colorimetric and fluorometric assays for drug screening

MTT, XTT, MTS, WST-1, WST-8, EZBlue

#### MYCOPLASMA TESTING

- Direct testing by culture method
- Indirect testing by Hoechst staining
- PCR testing (16s rRNA sequence)
- PCR testing (16s - 23s rRNA space region)

#### CELL AUTHENTICATION

- STR profiling (service provided by ATCC)
- Marker analysis (flow cytometry)

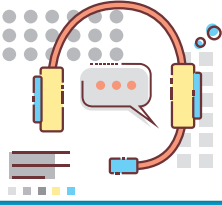
#### SCALE UP OF CELLS

Large scale propagation of cells using multi-layer flasks and cell factories

If you don't find the assay you want, contact us with your project requirements at [atc@himedialabs.com](mailto:atc@himedialabs.com)

For BioProduction Services [Refer Page 370](#)

## CUSTOM SERVICE WORKFLOW



▼ Receipt of Service Request



▼ Preliminary Meeting / Discussion with Scientist



▼ Service Offer and Approval of the Quotation



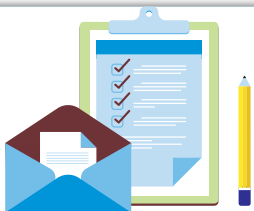
▼ Designing of Experiment



▼ Execution of the Experiment



▼ Statistical Analysis and Report Preparation



▼ Report Submission



HiMedia's core expertise in cell culture media enables us to provide the widest range of cell culture media along with a wide range of quality assured cell culture reagents, supplements and sera.

## CELL CULTURE PLATFORM

Product	Prefix	Page
<b>Cell Culture Media</b>		
Classical Media (Liquid)	AL	383-390
HiGlutaXL™ Media	AL***G	391
LoSera™ Media	RSL	392
Classical Media (Powder)	AT	393-399
Insect Media	IML / IM	400
HiSep™ Density Gradient Cell Separation Media	LS	401
CryoXL™ Cell Freezing Media	TCL	402
<b>Cell Culture Reagents</b>		
Antibiotic Solutions	A	403
Balanced Salts	TS / TL	404-406
Cell Dissociation Reagents	TCL	407-409
Miscellaneous Reagents	TCL	410

Product	Prefix	Page
<b>Cell Culture Supplements</b>		
Amino Acid Concentrates	AC / ACL	411
Hydrolysates	TC / TCL	411-412
Vitamin Solutions	VA	412
<b>Specialty Product Segment</b>		
Mouse IVF Platform	AL	413
Hybridoma Platform	AT/ AL/ T / TCL	413
Transfection Platform	SFM/ RSL/ CCK	413
Cytogenetics Platform	AL/ TCL/ TL /CCK	414-415
<b>Viral Transport Systems</b>		
	AL / MS	416-417
<b>Sera</b>		
	RM	418-424

# Cell Culture Platform

The introduction of cell culture methodology to the biological sciences ushered in a new era of rapid and exciting advances in the fields of virology, cytology, drug discovery, toxicology, cancer and stem cell research and therapy. Our comprehensive portfolio in cell culture platform includes classical media, sera, cell culture reagents, cell culture supplements and many more.

**Media** : HiMedia's core expertise lies in manufacturing cell culture media, both in powdered as well as liquid form, for mammalian and insect cell. Comprehensive design of experiments, rigorous raw material qualification and media production with no manual intervention using automated liquid handling platform and automatic filling line are our strengths that enable us to provide the widest range of cell culture media.

**Customized Media** : It has been our endeavor to help researchers with their specific requirements related to media and cell culture reagents. We provide customized products as per the unique requirements of the customer in terms of : media formulations, packaging, labeling, documentation (e.g. certificates of origin, BSE/ TSE risk statements) and additional QC testing (e.g. virus testing, mycoplasma detection, amino acid profiling). We are firmly committed to maintain the confidentiality of your

project and we sign a confidentiality agreement to ensure that the integrity of your project is not compromised.

**Sera** : HiMedia provides a wide range of quality assured serum over decades that helps achieving consistency in cell growth. Our product listing includes sera from bovine fetus, adult bovine, newborn calf and other animals and speciality sera. All lots of sera undergo comprehensive quality control testing that include sterility testing against mycoplasma, viruses and bacteria, antibody testing, analysis of growth promotion capacity, protein profiling, endotoxin content and physicochemical analysis.

**Karyotyping Solutions** : HiMedia offers media, reagents, and supplements that are specifically formulated to deliver clear, reproducible results. Each media has been designed and optimized for the analysis of peripheral blood lymphocytes, amniotic fluid cells, chorionic villus samples and bone marrow cells respectively.

**Viral Transport System** : Simplify collection, transport, maintenance and frozen storage of viruses, chlamydia, mycoplasma and ureaplasma specimens with the HiViral™ Transport Media and Swab.

**For more info :**  
atc@himedialabs.com | www.himedialabs.com

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# Cell Culture Media

Product	Code	Packing	Price in ₹
<b>Classical Media (Liquid)</b>			
<b>Basal Medium Eagle (BME)</b>			
Basal Medium Eagle (BME) w/ Earle's salts and Sodium bicarbonate w/o L-Glutamine	AL242-100ML	5x100ml	
	AL242-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Click's Medium (EHAA)</b>			
Click's Medium (EHAA) Eagle Hanks' Amino Acids w/ Sodium bicarbonate w/o Mercaptoethanol and L-Glutamine	AL117-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Chick Embryo Fibroblast Medium</b>			
Chick Embryo Fibroblast Medium w/ L-Glutamine and Sodium bicarbonate	AL168A-100ML	5x100ml	
	AL168A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>CMRL 1066 Medium</b>			
CMRL 1066 Medium w/ L-Glutamine and Sodium bicarbonate	AL110A-500ML	500ml 2x500ml 6x500ml 20x500ml	
	AL226-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM)</b>			
Dulbecco's Modified Eagle Medium (DMEM) w/ Sodium pyruvate and Sodium bicarbonate w/o Glucose and L-Glutamine	AL186-500ML	500ml 2x500ml 6x500ml 20x500ml	
	AL186A-100ML AL186A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
Dulbecco's Modified Eagle Medium (DMEM) w/ L-Glutamine, Sodium bicarbonate and Sodium pyruvate w/o Glucose	AL269A-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Dulbecco's Modified Eagle Medium (DMEM), Low glucose</b>			
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine	AL006-100ML	5x100ml	
	AL006-500ML	500ml 2x500ml 6x500ml 20x500ml	
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine, Sodium bicarbonate and Sodium pyruvate	AL006A-100ML	5x100ml	
	AL006A-500ML	500ml 2x500ml 6x500ml 20x500ml	
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine, Sodium bicarbonate and Sodium pyruvate w/o Folic acid	AL006F-500ML	500ml 2x500ml 6x500ml 20x500ml	
	AL149-500ML	500ml 2x500ml 6x500ml 20x500ml	
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, 25mM HEPES buffer, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine	AL149A-500ML	500ml 2x500ml 6x500ml 20x500ml	
	AL183-500ML	500ml 2x500ml 6x500ml 20x500ml	
Dulbecco's Modified Eagle Medium (DMEM), Low glucose w/ 1gm Glucose per litre, L-Glutamine, 25mM HEPES buffer, Sodium pyruvate and Sodium bicarbonate	AL183-500ML	500ml 2x500ml 6x500ml 20x500ml	
	AL183A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b>			
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre and Sodium bicarbonate w/o L-Glutamine and Sodium pyruvate Hybridoma Tested	AL111-500ML	500ml 2x500ml 6x500ml 20x500ml	
	AL066-500ML	500ml 2x500ml 6x500ml 20x500ml	
Dulbecco's Modified Eagle Medium (DMEM), High glucose w/ 4.5gms Glucose per litre and Sodium bicarbonate w/o L-Glutamine and Sodium pyruvate	AL066-500ML	500ml 2x500ml 6x500ml 20x500ml	

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Product	Code	Packing	Price in ₹
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine and Sodium bicarbonate w/o Sodium pyruvate	AL066A-100ML AL066A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine	AL007-100ML AL007-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine, 3.7 gms per litre Sodium bicarbonate and Sodium pyruvate	AL007A-100ML AL007A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>❖ Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, 1mM Sodium pyruvate, L-Glutamine and 1.5 gms per litre Sodium bicarbonate	AL007S-100ML AL007S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine, Sodium bicarbonate and Sodium pyruvate w/o Folic acid	AL007F-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, 1mM Sodium pyruvate, L-Glutamine and 1.5 gms per litre Sodium bicarbonate w/o Phenol red	AL101S-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate and Sodium bicarbonate w/o Calcium chloride	AL219A-100ML AL219A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High Glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate and Sodium bicarbonate w/o Phenol red	AL264A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, 25mM HEPES buffer and Sodium bicarbonate w/o L-Glutamine and Sodium pyruvate	AL067-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine, 25mM HEPES buffer and Sodium bicarbonate w/o Sodium pyruvate	AL067A-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine and Sodium bicarbonate w/o Sodium pyruvate and Sodium phosphate	AL068A-100ML AL068A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, 25mM HEPES buffer, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine	AL151-100ML AL151-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, 25mM HEPES buffer, L-Glutamine, Sodium pyruvate and Sodium bicarbonate	AL151A-100ML AL151A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate, 25mM HEPES buffer and Sodium bicarbonate w/o Phenol red	AL241A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, Sodium bicarbonate and Sodium pyruvate w/o Phenol red and L-Glutamine	AL101-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> with 4.5gms Glucose per litre, Sodium bicarbonate, D-Valine and Sodium pyruvate w/o L-Valine and L-Glutamine	AL251-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium, High Glucose</b> w/ 4.5gms Glucose per litre and L-Glutamine w/o Sodium pyruvate and Sodium bicarbonate	AL281A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High Glucose, 10X</b> w/ 4.5gms Glucose per litre, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine	AL291-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High Glucose</b> w/ 4.5gms Glucose per litre and Sodium bicarbonate w/o L-Glutamine, Calcium chloride, HEPES buffer and Sodium pyruvate	AL293-100ML AL293-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium (DMEM), High Glucose, 2X</b> w/ 4.5gms Glucose per litre and L-Glutamine w/o Sodium pyruvate and Sodium bicarbonate 2X Liquid Cell Culture Medium	AL294A-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>(DMEM / F12, 1:1 Mixture)</b>			
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ Sodium bicarbonate and Trace elements w/o L-Glutamine and HEPES buffer	AL127-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ L-Glutamine, Sodium bicarbonate and Trace elements w/o HEPES buffer	AL127A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ Trace elements, L-Glutamine and 1.5gms per litre Sodium bicarbonate w/o HEPES buffer	AL127S-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ L-Glutamine and 2.438gms per litre Sodium bicarbonate w/o HEPES buffer and Trace elements	AL155A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ 15mM HEPES buffer, Sodium bicarbonate and Trace elements w/o L-Glutamine	AL139-100ML AL139-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ L-Glutamine, 15 mM HEPES buffer, Sodium bicarbonate and Trace elements	AL139A-100ML AL139A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ L-Glutamine, 15mM HEPES buffer and Sodium bicarbonate w/o Phenol red and Trace elements	AL215A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ 15mM HEPES buffer and Sodium bicarbonate w/o L-Glutamine and Trace elements	AL140-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>❖ Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture)</b> w/ 2.5mM L-Glutamine, 15 mM HEPES buffer, 0.5mM Sodium pyruvate and 1.2gms per litre Sodium bicarbonate	AL140S-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture)</b> w/ L-Glutamine, 2mg/L Riboflavin, 55mg/L Sodium pyruvate and Sodium bicarbonate w/o HEPES buffer, Trace elements and Pyridoxal hydrochloride	AL243A-100ML AL243A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Glasgow's Minimum Essential Medium (GMEM)</b>			
<b>Glasgow's Minimum Essential Medium (GMEM)</b> w/ Sodium bicarbonate and NEAA w/o L-Glutamine, Sodium phosphate and Tryptose Phosphate Broth	AL058-100ML AL058-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Glasgow's Minimum Essential Medium (GMEM)</b> w/ Tryptose phosphate broth and Sodium bicarbonate w/o L-Glutamine	AL069-100ML AL069-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Glasgow's Minimum Essential Medium (GMEM)</b> w/ L-Glutamine and Sodium Bicarbonate w/o Tryptose Phosphate Broth Note: See page 407 for TCL009 - Tryptose Phosphate Broth	AL166A-100ML AL166A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b>			
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ L-Glutamine and Sodium Bicarbonate w/o HEPES buffer	AL160A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ Sodium bicarbonate and 25mM HEPES buffer w/o L-Glutamine	AL070-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ L-Glutamine, Sodium bicarbonate and 25mM HEPES buffer Hybridoma Tested	AL070H-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>❖ Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ 4mM L-Glutamine, 4.5 gms Glucose per litre, 25 mM HEPES buffer and 1.5 gms per litre Sodium bicarbonate 1X Liquid Cell Culture Medium	AL070S-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ L-Glutamine, 3.024 gms per litre Sodium bicarbonate and 25mM HEPES buffer	AL070A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Iscove's Modified Dulbecco's Medium</b> w/ L-Glutamine, 25mM HEPES buffer and Sodium bicarbonate w/o Glucose	AL230A-100ML AL230A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	

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Product	Code	Packing	Price in ₹
<b>Leibovitz's L-15 Medium</b>			
Leibovitz's L-15 Medium w/o L-Glutamine	AL011-500ML	500ml 2x500ml 6x500ml 20x500ml	
Leibovitz's L-15 Medium w/ L-Glutamine	AL011A-500ML	500ml 2x500ml 6x500ml 20x500ml	
Leibovitz's L-15 Medium w/ L-Glutamine and Sodium bicarbonate w/o Phenol red and Sodium pyruvate	AL204A-500ML	500ml 2x500ml 6x500ml 20x500ml	
❖ Leibovitz's L-15 Medium w/ 2mM L-Glutamine	AL011S-100ML AL011S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
Leibovitz's L-15 Medium 2X w/ L-Glutamine	AL247A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>MCDB 131 Medium</b>			
MCDB 131 Medium w/ Trace elements, L-Glutamine and Sodium bicarbonate	AL133A-500ML	500ml 2x500ml 6x500ml 20x500ml	
MCDB 153 Medium w/ Trace elements, L-Glutamine, 28 mM HEPES buffer and Sodium bicarbonate 1X Liquid Cell Culture Medium	AL135A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>McCoy's 5A Medium</b>			
McCoy's 5A Medium w/ Sodium bicarbonate w/o L-Glutamine	AL057-500ML	500ml 2x500ml 6x500ml 20x500ml	
McCoy's 5A Medium w/ L-Glutamine and Sodium bicarbonate	AL057A-500ML	500ml 2x500ml 6x500ml 20x500ml	
❖ McCoy's 5A Medium w/ 1.5mM L-Glutamine and 2.2gms per litre Sodium bicarbonate	AL057S-500ML	500ml 2x500ml 6x500ml 20x500ml	
McCoy's 5A Medium w/ L-Glutamine and Sodium bicarbonate w/o Folic acid	AL057F-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
McCoy's 5A Medium w/ L-Glutamine and Sodium bicarbonate w/o Phenol red	AL179A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Medium 199</b>			
Medium 199 w/ Earle's Salts and Sodium bicarbonate w/o L-Glutamine	AL014-500ML	500ml 2x500ml 6x500ml 20x500ml	
Medium 199 w/ Earle's Salts, L-Glutamine and Sodium bicarbonate	AL014A-500ML	500ml 2x500ml 6x500ml 20x500ml	
Medium 199 (2X) w/ Earle's Salts, L-Glutamine and Sodium bicarbonate	AL258A-500ML	500ml 2x500ml 6x500ml 20x500ml	
Medium 199 w/ Earle's salts, 25 mM HEPES buffer and Sodium bicarbonate w/o L-Glutamine	AL094-500ML	500ml 2x500ml 6x500ml 20x500ml	
Medium 199 w/ Earle's salts, 25 mM HEPES buffer, L-Glutamine and Sodium bicarbonate	AL094A-100ML AL094A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
Medium 199 (10X) w/ Earle's salts w/o L-Glutamine and Sodium bicarbonate	AL189-500ML	500ml 2x500ml 6x500ml 20x500ml	
Medium 199 w/ Hanks' Salts and Sodium bicarbonate w/o L-Glutamine	AL267-500ML	500ml 2x500ml 6x500ml 20x500ml	
Medium 199 (10X) w/ Hanks' salts w/o L-Glutamine and Sodium bicarbonate	AL192-500ML	500ml 2x500ml 6x500ml 20x500ml	
Medium 199 w/ Hanks' salts, 25mM HEPES buffer, L-Glutamine and Sodium bicarbonate	AL209A-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Minimum Essential Medium Eagle (MEM)</b>			
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts and Sodium bicarbonate w/o NEAA and L-Glutamine	AL020-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, L-Glutamine and 2.2gms per litre Sodium bicarbonate w/o NEAA	AL020A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts and 1.5gms per litre Sodium bicarbonate w/o NEAA and L-Glutamine	AL020S-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, NEAA and Sodium bicarbonate w/o L-Glutamine	AL047-100ML AL047-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, L-Glutamine, NEAA and 2.2gms per litre Sodium bicarbonate	AL047A-100ML AL047A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, NEAA, Sodium bicarbonate and L-Glutamine Hybridoma Tested	AL047H-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>❖ Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, 2mM L-Glutamine, 1mM Sodium pyruvate, NEAA and 1.5 gms per litre Sodium bicarbonate	AL047S-100ML AL047S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's Salts, L-Glutamine, NEAA, Sodium pyruvate, 15mM HEPES buffer and Sodium bicarbonate	AL182A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, NEAA and Sodium bicarbonate w/o L-Glutamine and Phenol red	AL046-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium (MEM)</b> with Earle's salts, NEAA, L-Glutamine and Sodium bicarbonate w/o Phenol red	AL046A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM) 10X</b> w/ Hanks' salts w/o L-Glutamine and Sodium bicarbonate	AL190-100ML AL190-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Minimum Essential Medium Eagle (MEM) 10X</b> w/ Earle's salts w/o NEAA, L-Glutamine and Sodium bicarbonate	AL191-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> with Earle's Salts, L-Glutamine, 25mM HEPES, NEAA and Sodium bicarbonate	AL260A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Hanks' salts, L-Glutamine and Sodium bicarbonate	AL056A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Hanks' salts, L-Glutamine, NEAA and Sodium bicarbonate	AL048A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Hanks' salts, 25mM HEPES buffer, L-Glutamine and Sodium bicarbonate	AL075A-100ML AL075A-500ML	5x100ml 500ml 2x500ml 6x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, L-Glutamine, Sodium pyruvate and Sodium bicarbonate	AL154A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM) (2X)</b> w/ Earle's salts, NEAA, L-Glutamine and Sodium bicarbonate w/o Phenol red	AL178A-500ML	500ml 2x500ml 6x500ml 20x500ml	

**Minimum Essential Medium Eagle (Joklik Modification)**

<b>Minimum Essential Medium Eagle (MEM) (Joklik Modification) (For Suspension Culture)</b> w/ Sodium bicarbonate w/o L-Glutamine	AL079-500ML	500ml 2x500ml 6x500ml 20x500ml	
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**Minimum Essential Medium Eagle (Alpha modification)**

<b>Minimum Essential Medium Eagle (Alpha modification)</b> w/ Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate w/o L-Glutamine	AL080-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (Alpha Modification)</b> w/ Deoxyribonucleoside, Ribonucleoside, L-Glutamine and Sodium bicarbonate	AL080A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (Alpha Modification)</b> w/ L-Glutamine and Sodium bicarbonate w/o Sodium Pyruvate, Ribonucleoside and Deoxyribonucleoside	AL285A-500ML	500ml 2x500ml 6x500ml 20x500ml	

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Product	Code	Packing	Price in ₹
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ L Glutamine, Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate w/o Phenol red	AL253A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ Deoxyribonucleosides, Ribonucleosides, L-Glutamine and Sodium bicarbonate w/o Ascorbic acid	AL221A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (Alpha Modification)</b> w/ Sodium bicarbonate w/o L-Glutamine, Deoxyribonucleosides and Ribonucleosides	AL081-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (Alpha Modification)</b> w/ L-Glutamine and Sodium bicarbonate w/o Deoxyribonucleosides and Ribonucleosides	AL081A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM) (For Suspension Culture)</b>			
<b>Minimum Essential Medium Eagle (MEM) (For Suspension Culture)</b> w/ Spinner salts and Sodium bicarbonate w/o L-Glutamine	AL019-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-10 Ham</b>			
<b>Nutrient Mixture F-10 Ham</b> w/ Sodium bicarbonate, 25 mM HEPES buffer and L-Glutamine	AL083A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-10 Ham</b> w/ 20mM HEPES buffer w/o L-Glutamine and Sodium bicarbonate	AL196-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-10 Ham</b> w/ 20mM HEPES buffer and Sodium bicarbonate w/o L-Glutamine	AL184-100ML AL184-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-10 Ham</b> w/ Sodium bicarbonate w/o L-Glutamine	AL024-100ML AL024-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient mixture F-10 Ham</b> w/ Sodium bicarbonate and L-Glutamine	AL024A-100ML AL024A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Nutrient Mixture F-12 Ham</b>			
<b>Nutrient Mixture F-12 Ham</b> w/ Sodium bicarbonate w/o L-Glutamine	AL025-100ML AL025-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-12 Ham</b> w/ L-Glutamine and 1.176gms per litre Sodium bicarbonate	AL025A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-12 Ham</b> w/ 2mM L-Glutamine and 1.5gms per litre Sodium bicarbonate	AL025S-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-10 Ham</b>			
<b>Nutrient Mixture F-10 Ham</b> w/ 10 mM HEPES buffer, L-Glutamine and 1.2 g/L Sodium bicarbonate w/o Phenol red	AL290A-100ML AL290A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-12 Ham, Kaighn's Modification</b>			
<b>Nutrient Mixture F-12 Ham, Kaighn's Modification</b> w/ Sodium bicarbonate w/o L-Glutamine	AL106-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-12 Ham, Kaighn's Modification</b> w/ L-Glutamine and 2.5gms per litre Sodium bicarbonate	AL106A-100ML AL106A-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-12 Ham, Kaighn's Modification</b> w/ L-Glutamine and 1.5 gms per litre Sodium bicarbonate	AL106S-100ML AL106S-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-12 Ham, Kaighn's Modification</b> w/ 1.5 gms per litre Sodium bicarbonate w/o L-Glutamine	AL271S-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Nutrient Mixture F-12 Ham, Coon's Modification</b>			
<b>Nutrient Mixture F-12 Ham, Coon's Modification</b> w/ Sodium bicarbonate w/o L-Glutamine	AL146-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>NCTC-109 Medium</b>			
<b>NCTC-109 Medium</b> w/ Phenol red and coenzymes w/o L-Glutamine and HEPES buffer	AL138-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>RPMI-1640</b>			
<b>RPMI-1640</b> w/ Sodium bicarbonate w/o L-Glutamine	<b>AL028-100ML</b> <b>AL028-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ L-Glutamine and Sodium bicarbonate	<b>AL028A-100ML</b> <b>AL028A-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ Sodium bicarbonate w/o L-Glutamine Hybridoma tested	<b>AL028B-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ Sodium bicarbonate w/o Folic acid and L-Glutamine	<b>AL028F-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ L-Glutamine and Sodium bicarbonate w/o Phenol red	<b>AL120A-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ L-Glutamine and Sodium bicarbonate w/o Glucose and HEPES	<b>AL150A-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5 gms Glucose per litre, 10mM HEPES buffer and 2 gms per litre Sodium bicarbonate	<b>AL162A-100ML</b> <b>AL162A-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5 gms Glucose per litre, 10mM HEPES buffer and Sodium bicarbonate w/o Phenol red	<b>AL171A-100ML</b> <b>AL171A-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>❖ RPMI-1640</b> w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5gms Glucose per litre, 10mM HEPES buffer and 1.5gms per litre Sodium bicarbonate	<b>AL162S-100ML</b> <b>AL162S-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ 2mM L-Glutamine, 10mM HEPES buffer, 4.5gms Glucose per litre and 1.5gms per litre Sodium bicarbonate w/o Sodium pyruvate	<b>AL223S-100ML</b> <b>AL223S-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ 2mM L-Glutamine, 10mM HEPES buffer, 4.5gms Glucose per litre and 2gms per litre Sodium bicarbonate w/o Sodium pyruvate	<b>AL223A-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	






Product	Code	Packing	Price in ₹
<b>RPMI-1640</b> w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5gms Glucose per litre and 2.0gms per litre Sodium bicarbonate w/o HEPES buffer	<b>AL199A-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ 1mM Sodium pyruvate, 2mM L-Glutamine, 4.5gms Glucose per litre and 1.5gms per litre Sodium bicarbonate w/o HEPES buffer	<b>AL199S-100ML</b> <b>AL199S-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ 3.05mM L-Glutamine, 10mM HEPES buffer and 2gms per litre Sodium bicarbonate	<b>AL214A-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ 25mM HEPES buffer, Sodium bicarbonate and Sodium pyruvate w/o L-Glutamine	<b>AL157-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ Sodium bicarbonate and 25mM HEPES buffer w/o L-Glutamine	<b>AL060-100ML</b> <b>AL060-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ L-Glutamine, 25mM HEPES buffer and Sodium bicarbonate	<b>AL060A-100ML</b> <b>AL060A-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ L-Glutamine and 20mM HEPES buffer w/o Sodium bicarbonate	<b>AL197A-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ L-Glutamine, 2gms Glucose per litre, 0.165 moles per litre MOPS buffer and Sodium bicarbonate	<b>AL180A-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ L-Glutamine and 2gms Glucose per litre and 0.165 moles per litre MOPS Buffer w/o Sodium bicarbonate	<b>AL200A-100ML</b> <b>AL200A-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640</b> w/ 25mM HEPES buffer, L-Glutamine and 2.2gms per litre Sodium bicarbonate	<b>AL201A-500ML</b>	<b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	
<b>RPMI-1640 10X</b> w/o Sodium bicarbonate and L-Glutamine	<b>AL102-100ML</b> <b>AL102-500ML</b>	<b>5x100ml</b> <b>500ml</b> <b>2x500ml</b> <b>6x500ml</b> <b>20x500ml</b>	

Product	Code	Packing	Price in ₹
<b>RPMI-1640, Dutch modification</b>			
RPMI-1640, Dutch modification w/ 20mM HEPES buffer and 1gm per litre Sodium bicarbonate w/o L-Glutamine	AL198-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Waymouth Medium MB 752/1</b>			
Waymouth Medium MB 752/1 w/ L-Glutamine and Sodium bicarbonate	AL091A-500ML	500ml 2x500ml 6x500ml 20x500ml	

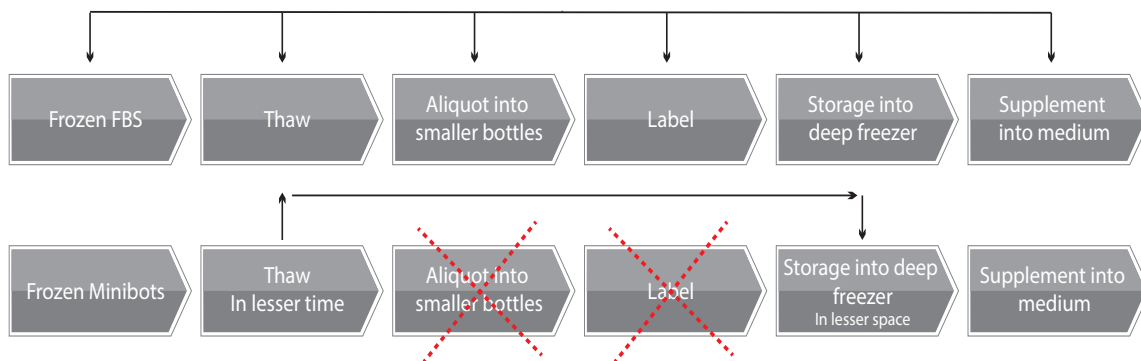
Product	Code	Packing	Price in ₹
<b>William's Medium E</b>			
William's Medium E w/ Sodium bicarbonate w/o L-Glutamine	AL125-500ML	500ml 2x500ml 6x500ml 20x500ml	
William's Medium E w/ Sodium bicarbonate w/o Phenol red and L-Glutamine	AL240-500ML	500ml 2x500ml 6x500ml 20x500ml	

## Convenience at your doorstep ... Minibot™ – Individually packed 50ml FBS bottles



-  Easy Handling
-  Reduced risk of contamination
-  Avoid repeated freeze-thaw
-  Avoid labelling mistakes
-  Generate less waste

### Classical Method for FBS Aliquoting



Use of Minibot™

For more information refer page no. 418 - 419

Product	Code	Packing	Price in ₹
<b>HiGlutaXL™ Media</b> Media containing stable glutamine			
<b>HiGlutaXL™ Dulbecco's Modified Eagle Medium, High Glucose</b> w/ 4.5gms Glucose per litre, L-Alanyl-L-Glutamine and Sodium bicarbonate w/o Sodium pyruvate	AL066G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Dulbecco's Modified Eagle Medium, High Glucose</b> w/ L-Alanyl-L-Glutamine, Sodium pyruvate and Sodium bicarbonate	AL007G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Dulbecco's Modified Eagle Medium (DMEM)</b> w/ 4.5gms Glucose per litre, L-Alanyl-L-Glutamine, 25mM HEPES buffer and Sodium bicarbonate w/o Sodium pyruvate	AL067G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ L-Alanyl-L-Glutamine, Sodium bicarbonate and Trace elements w/o HEPES buffer	AL127G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ L-Alanyl-L-Glutamine and 1.2gms per litre Sodium bicarbonate w/o HEPES buffer and Trace elements	AL273G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Dulbecco's Modified Eagle Medium/Nutrient Mixture F-12 Ham (DMEM/F12, 1:1 Mixture)</b> w/ L-Alanyl-L-Glutamine and 2.438gms per litre Sodium bicarbonate w/o HEPES buffer and Trace elements	AL155G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ L-Alanyl-L-Glutamine, HEPES buffer, Sodium bicarbonate and Trace elements	AL139G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Medium 199</b> w/ Earle's salts, L-Alanyl-L-Glutamine and Sodium bicarbonate w/o HEPES buffer	AL014G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Minimum Essential Medium Eagle (MEM)</b> w/ L-Alanyl-L-Glutamine, Earle's salts and Sodium bicarbonate w/o NEAA	AL020G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Minimum Essential Medium Eagle</b> w/ L-Alanyl-L-Glutamine, Earle's salts, NEAA and Sodium bicarbonate	AL047G-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>HiGlutaXL™ Minimum Essential Medium Eagle</b> w/ L-Alanyl-L-Glutamine, Hanks' salts and Sodium bicarbonate	AL056G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Minimum Essential Medium (Alpha Modification)</b> w/ L-Alanyl-L-Glutamine, Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate	AL080G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Minimum Essential Medium (Alpha Modification)</b> w/ L-Alanyl-L-Glutamine and Sodium bicarbonate w/o Deoxyribonucleosides and Ribonucleosides	AL081G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ L-Alanyl-L-Glutamine and Sodium bicarbonate w/o Deoxyribonucleosides, Ribonucleosides and Phenol red	AL255G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ Nutrient Mixture F-10 Ham</b> w/ L-Alanyl-L-Glutamine and Sodium bicarbonate	AL024G-100ML AL024G-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ RPMI-1640</b> w/ L-Alanyl-L-Glutamine and Sodium bicarbonate	AL028G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ RPMI-1640</b> w/ L-Alanyl-L-Glutamine, HEPES buffer and Sodium bicarbonate	AL060G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>HiGlutaXL™ RPMI-1640</b> w/ L-Alanyl-L-Glutamine, HEPES buffer, 60mg per litre Penicillin, 100mg per litre Streptomycin, 15% FBS and Sodium bicarbonate (*8ml medium in 15ml round bottom centrifuge tube) Store at - 20°C	AL751G-100ML AL751G-500ML •AL751G-20X50NO	5x100ml 500ml 2x500ml 6x500ml 20x500ml 20X50NO	
<b>HiGlutaXL™ Supplement 200mM</b> w/ L-Alanyl-L-Glutamine in 0.85% normal saline	TCL030-100ML	100ml 5x100ml	



Product	Code	Packing	Price in ₹
<b>LoSera™ Media</b> Media requiring reduced serum supplementation			
<b>LoSera™ Dulbecco's Modified Eagle Medium, Low Glucose</b> w/ 1gm Glucose per litre, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL019-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Dulbecco's Modified Eagle Medium, High Glucose</b> w/ Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL003-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Dulbecco's Modified Eagle Medium, High Glucose</b> w/ L-Alanyl-L-Glutamine, Sodium pyruvate and Sodium bicarbonate 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL003G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ Trace elements and Sodium bicarbonate w/o L-Glutamine and HEPES buffer 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL005-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture)</b> w/ HEPES buffer, Sodium bicarbonate and Trace elements w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL006-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture)</b> w/ L-Alanyl-L-Glutamine, HEPES buffer, Sodium bicarbonate and Trace elements 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL006G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Iscove's Modified Dulbecco's Medium</b> w/ HEPES buffer and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL007-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Minimum Essential Medium Eagle</b> w/ Earle's salts, NEAA and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL008-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>LoSera™ Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, NEAA, L-Glutamine and Sodium bicarbonate 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL008A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Minimum Essential Medium Eagle</b> w/ Earle's salts, L-Alanyl-L-Glutamine, NEAA and Sodium bicarbonate 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL008G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Nutrient Mixture F-10 Ham</b> w/ Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL009-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ Nutrient Mixture F-12 Ham</b> w/ Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL010-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ RPMI-1640</b> w/ Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL011-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ RPMI-1640</b> w/ L-Alanyl-L-Glutamine and Sodium bicarbonate 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL011G-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>LoSera™ RPMI-1640</b> w/ HEPES buffer and Sodium bicarbonate w/o L-Glutamine 1X Liquid Cell Culture Medium requiring reduced serum supplementation	RSL012-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Classical Media (Powder)</b>			
<b>AME's Medium</b>			
<b>AME's Medium</b>	AT121-1L	1lt	
w/ L-Glutamine	AT121-10X1L	10x1lt	
w/o Phenol red and Sodium bicarbonate	AT121-20L	20lt	
<b>BGjb Medium Fitton-Jackson Modification</b>			
<b>BGjb Medium Fitton-Jackson Modification</b>	AT123-1L	1lt	
w/ L-Glutamine	AT123-5L	5lt	
w/o Sodium bicarbonate	AT123-10X1L	10x1lt	
	AT123-20L	20lt	
<b>Basal Medium Eagle (BME)</b>			
<b>Basal Medium Eagle (BME)</b>	AT001-1L	1lt	
w/ Earle's salts and L-Glutamine	AT001-5L	5lt	
w/o Sodium bicarbonate	AT001-10X1L	10x1lt	
	AT001-20L	20lt	
<b>Basal Medium Eagle (BME)</b>	AT242A-5L	5lt	
w/ Earle's salts	AT242A-10X1L	10x1lt	
w/o L-Glutamine and Sodium bicarbonate	AT242A-20L	20lt	
<b>Basal Medium Eagle (BME)</b>	AT002-10X1L	10x1lt	
w/ Hanks' salts and L-Glutamine	AT002-20L	20lt	
w/o Sodium bicarbonate			
<b>Basal Medium Eagle (BME)</b>	AT062-5L	5lt	
w/ Hanks' salts, L-Glutamine and 25mM HEPES buffer	AT062-10X1L	10x1lt	
w/o Sodium bicarbonate	AT062-20L	20lt	
<b>Basal Medium Eagle (BME) (Modified for Autoclaving)</b>	AT004A-10X1L	10x1lt	
w/ Earle's salts	AT004A-20L	20lt	
w/o L-Glutamine and Sodium bicarbonate			
<b>Click's Medium (EHAA) Eagle Hanks' Amino Acids</b>			
<b>Click's Medium (EHAA) Eagle Hanks' Amino Acids</b>	AT122A-5L	5lt	
w/o L-Glutamine, Mercaptoethanol and Sodium bicarbonate	AT122A-10X1L	10x1lt	
	AT122A-20L	20lt	
<b>CMRL 1066 Medium</b>			
<b>CMRL 1066 Medium</b>	AT110-1L	1lt	
w/ L-Glutamine	AT110-5L	5lt	
w/o Sodium bicarbonate	AT110-10X1L	10x1lt	
	AT110-20L	20lt	
	AT110-50L	50lt	
<b>CMRL 1066 Medium</b>	AT226A-5L	5lt	
w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT226A-10X1L	10x1lt	
	AT226A-20L	20lt	
	AT226A-50L	50lt	

Product	Code	Packing	Price in ₹
<b>Chick Embryo Fibroblast Medium</b>			
<b>Chick Embryo Fibroblast Medium</b>	AT168-1L	1lt	
w/ L-Glutamine	AT168-10X1L	10x1lt	
w/o Sodium bicarbonate	AT168-20L	20lt	
	AT168-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM)</b>			
<b>Dulbecco's Modified Eagle Medium (DMEM)</b>	AT063A-1L	1lt	
w/o L-Glutamine, Glucose, Phenol red, Sodium pyruvate and Sodium bicarbonate	AT063A-5L	5lt	
	AT063A-10X1L	10x1lt	
	AT063A-20L	20lt	
	AT063A-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM)</b>	AT186-1L	1lt	
w/ L-Glutamine and Sodium pyruvate	AT186-5L	5lt	
w/o Glucose and Sodium bicarbonate	AT186-10X1L	10x1lt	
	AT186-20L	20lt	
	AT186-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM)</b>	AT195-1L	1lt	
w/ L-Glutamine	AT195-10X1L	10x1lt	
w/o D-Glucose, Sodium pyruvate and Sodium bicarbonate	AT195-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), Low glucose</b>			
<b>Dulbecco's Modified Eagle Medium (DMEM), Low glucose</b>	AT006-1L	1lt	
w/ 1gm Glucose per litre, L-Glutamine and Sodium pyruvate	AT006-5L	5lt	
w/o Sodium bicarbonate	AT006-10X1L	10x1lt	
	AT006-20L	20lt	
	AT006-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), Low glucose</b>	AT006A-1L	1lt	
w/ 1gm Glucose per litre and Sodium Pyruvate	AT006A-10X1L	10x1lt	
w/o L-Glutamine and Sodium bicarbonate	AT006A-20L	20lt	
	AT006A-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), Low glucose</b>	AT149-1L	1lt	
w/ 1gm Glucose per litre, L-Glutamine, 25mM HEPES buffer and Sodium Pyruvate	AT149-5L	5lt	
w/o Sodium bicarbonate	AT149-10X1L	10x1lt	
	AT149-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), Low glucose</b>	AT183-1L	1lt	
w/ 1gm Glucose per litre, L-Glutamine and Sodium pyruvate	AT183-5L	5lt	
w/o Sodium bicarbonate and Phenol red	AT183-10X1L	10x1lt	
	AT183-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), Low glucose</b>	AT235-5L	5lt	
w/ 1gm Glucose per litre, L-Glutamine and Sodium pyruvate	AT235-10X1L	10x1lt	
w/o Calcium chloride and Sodium bicarbonate	AT235-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), Low glucose (Modified for Autoclaving)</b>	AT065A-1L	1lt	
w/ 1gm Glucose per litre and Sodium pyruvate	AT065A-5L	5lt	
w/o L-Glutamine and Sodium bicarbonate	AT065A-10X1L	10x1lt	
	AT065A-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b>			
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, 25mM HEPES Buffer, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate and Phenol red	AT187-1L	1lt	
	AT187-10X1L	10x1lt	
	AT187-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate	AT007-1L	1lt	
	AT007-5L	5lt	
	AT007-10X1L	10x1lt	
	AT007-20L	20lt	
	AT007-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre and Sodium pyruvate w/o L-Glutamine and Sodium bicarbonate	AT007A-1L	1lt	
	AT007A-10X1L	10x1lt	
	AT007A-20L	20lt	
	AT007A-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Folic acid and Sodium bicarbonate	AT007F-10X1L	10x1lt	
	AT007F-20L	20lt	
	AT007F-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High Glucose</b> w/ 4.5gms per litre Glucose, L-Glutamine and Sodium pyruvate w/o Phenol red, Folic acid and Sodium bicarbonate	AT262F-10X1L	10x1lt	
	AT262F-20L	20lt	
	AT262F-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Calcium chloride and Sodium bicarbonate	AT219-1L	1lt	
	AT219-5L	5lt	
	AT219-10X1L	10x1lt	
	AT219-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine and Sodium pyruvate w/o Sodium bicarbonate and Phenol red	AT190-1L	1lt	
	AT190-5L	5lt	
	AT190-10X1L	10x1lt	
	AT190-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre and Sodium pyruvate w/o L-Glutamine, Sodium bicarbonate and Phenol red	AT190A-10X1L	10x1lt	
	AT190A-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre and L-Glutamine w/o Sodium bicarbonate and Sodium pyruvate	AT066-1L	1lt	
	AT066-5L	5lt	
	AT066-10X1L	10x1lt	
	AT066-20L	20lt	
	AT066-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre w/o L-Glutamine, Sodium bicarbonate and Sodium pyruvate	AT066A-1L	1lt	
	AT066A-10X1L	10x1lt	
	AT066A-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate and Sodium pyruvate	AT067-1L	1lt	
	AT067-5L	5lt	
	AT067-10X1L	10x1lt	
	AT067-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High Glucose</b> w/ 4.5gm Glucose per litre and 25mM HEPES buffer w/o L-Glutamine, Sodium bicarbonate and Sodium pyruvate	AT067A-10X1L	10x1lt	
	AT067A-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre and L-Glutamine w/o Sodium pyruvate, Sodium phosphate and Sodium bicarbonate	AT068-1L	1lt	
	AT068-5L	5lt	
	AT068-10X1L	10x1lt	
	AT068-20L	20lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ L-Glutamine, 4.5gms Glucose per litre, Sodium pyruvate and 25mM HEPES buffer w/o Sodium bicarbonate	AT151-1L	1lt	
	AT151-5L	5lt	
	AT151-10X1L	10x1lt	
	AT151-20L	20lt	
	AT151-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate and 25mM HEPES buffer w/o Phenol red and Sodium bicarbonate	AT241-10X1L	10x1lt	
	AT241-20L	20lt	
	AT241-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre w/o L-Glutamine, Calcium chloride, HEPES buffer and Sodium pyruvate	AT287A-1L	1lt	
	AT287A-5L	5lt	
	AT287A-10X1L	10x1lt	
	AT287A-20L	20lt	
	AT287A-50L	50lt	
<b>Dulbecco's Modified Eagle Medium (DMEM), High glucose</b> w/ 4.5gms Glucose per litre w/o L-Glutamine, Calcium chloride, HEPES buffer, Sodium pyruvate and Sodium bicarbonate	AT293A-1L	1lt	
	AT293A-5L	5lt	
	AT293A-10X1L	10x1lt	
	AT293A-20L	20lt	
	AT293A-50L	50lt	
<b>DMEM / F12, 1:1 mixture</b>			
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 mixture)</b> w/ L-Glutamine and Trace elements w/o HEPES buffer and Sodium bicarbonate	AT127-1L	1lt	
	AT127-10X1L	10x1lt	
	AT127-20L	20lt	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 Mixture)</b> w/ L-Alanyl-L-Glutamine and Trace elements w/o HEPES buffer and Sodium bicarbonate	AT127G-5L	5lt	
	AT127G-10X1L	10x1lt	
	AT127G-20L	20lt	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM / F12, 1:1 Mixture)</b> w/ L-Glutamine and Trace elements w/o Phenol red, Sodium bicarbonate and HEPES buffer	AT147-1L	1lt	
	AT147-10X1L	10x1lt	
	AT147-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture)</b> w/ Trace elements w/o L-Glutamine, Phenol red, Sodium bicarbonate and HEPES buffer	AT147A-5L	5lt	
	AT147A-10X1L	10x1lt	
	AT147A-20L	20lt	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture)</b> w/ L-Glutamine, 15mM HEPES buffer and Trace elements w/o Sodium bicarbonate	AT139-1L	1lt	
	AT139-5L	5lt	
	AT139-10X1L	10x1lt	
	AT139-20L	20lt	
<b>Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture)</b> w/ L-Glutamine and 15mM HEPES buffer w/o Trace elements and Sodium bicarbonate	AT140-5L	5lt	
	AT140-10X1L	10x1lt	
	AT140-20L	20lt	
<b>Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture)</b> w/ 15mM HEPES buffer w/o L-Glutamine, Trace elements and Sodium bicarbonate	AT140A-10X1L	10x1lt	
	AT140A-20L	20lt	
	AT140A-50L	50lt	
<b>Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture)</b> w/ L-Glutamine w/o HEPES buffer, Trace elements and Sodium bicarbonate	AT155-5L	5lt	
	AT155-10X1L	10x1lt	
	AT155-20L	20lt	
<b>Dulbecco's Modified Eagle Medium / Nutrient Mixture F12 Ham (DMEM/ F12 1:1 Mixture)</b> w/ L-Glutamine w/o HEPES Buffer, Trace elements, Phenol red and Sodium bicarbonate	AT239-5L	5lt	
	AT239-10X1L	10x1lt	
	AT239-20L	20lt	
<b>Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 mixture)</b> w/ 15mM HEPES buffer, Trace elements and L-Glutamine w/o Phenol red and Sodium bicarbonate	AT192-1L	1lt	
	AT192-5L	5lt	
	AT192-10X1L	10x1lt	
	AT192-20L	20lt	
<b>Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 1:1 Mixture)</b> w/ L-Glutamine, 2mg/L Riboflavin and 55mg/L Sodium pyruvate w/o HEPES buffer, Trace elements, Pyridoxal hydrochloride and Sodium bicarbonate	AT243-5L	5lt	
	AT243-10X1L	10x1lt	
	AT243-20L	20lt	
<b>DMEM/ F12, 3:1 Mixture, High glucose</b>			
<b>Dulbecco's Modified Eagle Medium/ Nutrient Mixture F-12 Ham (DMEM/ F12, 3:1 Mixture), High glucose</b> w/ L-Glutamine w/o Calcium chloride, HEPES buffer and Sodium bicarbonate	AT189-1L	1lt	
	AT189-5L	5lt	
	AT189-10X1L	10x1lt	
	AT189-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Fischer's Medium</b>			
<b>Fischer's Medium</b> w/ L-Glutamine w/o Sodium bicarbonate	AT054-1L	1lt	
	AT054-5L	5lt	
	AT054-10X1L	10x1lt	
	AT054-20L	20lt	
<b>Glasgow's Minimum Essential Medium, GMEM</b>			
<b>Glasgow's Minimum Essential Medium GMEM</b> w/ L-Glutamine w/o Tryptose Phosphate broth and Sodium bicarbonate	AT102-5L	5lt	
	AT102-10X1L	10x1lt	
	AT102-20L	20lt	
	AT102-50L	50lt	
<b>Glasgow's Minimum Essential Medium GMEM</b> w/ L-Glutamine and NEAA w/o Sodium phosphate, Sodium bicarbonate and Tryptose Phosphate Broth	AT058-1L	1lt	
	AT058-10X1L	10x1lt	
	AT058-20L	20lt	
<b>Glasgow's Minimum Essential Medium GMEM</b> w/ L-Glutamine and Tryptose Phosphate Broth w/o Sodium bicarbonate	AT069-5L	5lt	
	AT069-10X1L	10x1lt	
	AT069-20L	20lt	
<b>Tryptose Phosphate Broth</b>			
<b>Tryptose Phosphate Broth</b> Cell Culture Grade (Store at 15-30°C)	AT811-100G	100gm	
	AT811-500G	500gm	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b>			
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ L-Glutamine w/o HEPES buffer and Sodium bicarbonate	AT160-5L	5lt	
	AT160-10X1L	10x1lt	
	AT160-20L	20lt	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/o L-Glutamine, HEPES, Sodium bicarbonate and Phenol red	AT261A-1L	1lt	
	AT261A-10X1L	10x1lt	
	AT261A-20L	20lt	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT070-5L	5lt	
	AT070-10X1L	10x1lt	
	AT070-20L	20lt	
	AT070-50L	50lt	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ 25mM HEPES buffer w/o L-Glutamine and Sodium bicarbonate	AT070A-1L	1lt	
	AT070A-5L	5lt	
	AT070A-10X1L	10x1lt	
	AT070A-20L	20lt	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ L-Glutamine and 25mM HEPES Buffer w/o Sodium bicarbonate and Phenol red	AT188-5L	5lt	
	AT188-10X1L	10x1lt	
	AT188-20L	20lt	
<b>Iscove's Modified Dulbecco's Medium (IMDM)</b> w/ L-Glutamine and 25mM HEPES buffer w/o Glucose and Sodium bicarbonate	AT230-1L	1lt	
	AT230-5L	5lt	
	AT230-10X1L	10x1lt	
	AT230-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Leibovitz's L-15 Medium</b>			
<b>Leibovitz's L-15 Medium</b> w/ L-Glutamine w/o Sodium bicarbonate	AT011-1L	1lt	
	AT011-5L	5lt	
	AT011-10X1L	10x1lt	
	AT011-20L	20lt	
<b>Leibovitz's L-15 Medium</b> w/o L-Glutamine and Sodium bicarbonate	AT011A-5L	5lt	
	AT011A-10X1L	10x1lt	
	AT011A-20L	20lt	
<b>Leibovitz's L-15 Medium</b> w/ L-Glutamine w/o Sodium Pyruvate and Sodium bicarbonate	AT164-5L	5lt	
	AT164-10X1L	10x1lt	
	AT164-20L	20lt	
<b>Leibovitz's L-15 Medium</b> w/ L-Glutamine w/o Phenol red and Sodium bicarbonate	AT207-1L	1lt	
	AT207-5L	5lt	
	AT207-10X1L	10x1lt	
	AT207-20L	20lt	

<b>McCoy's 5A Medium</b>			
<b>McCoy's 5A Medium</b> w/ L-Glutamine w/o Sodium bicarbonate	AT057-1L	1lt	
	AT057-5L	5lt	
	AT057-10X1L	10x1lt	
	AT057-20L	20lt	
	AT057-50L	50lt	
<b>McCoy's 5A Medium</b> w/o L-Glutamine and Sodium bicarbonate	AT057A-1L	1lt	
	AT057A-5L	5lt	
	AT057A-10X1L	10x1lt	
	AT057A-20L	20lt	
	AT057A-50L	50lt	
<b>McCoy's 5A Medium</b> w/ L-Glutamine w/o Folic acid and Sodium bicarbonate	AT057F-1L	1lt	
	AT057F-5L	5lt	
	AT057F-10X1L	10x1lt	
	AT057F-20L	20lt	
<b>McCoy's 5A Medium</b> w/ L-Glutamine w/o Phenol red, Folic Acid and Sodium bicarbonate	AT179F-10X1L	10x1lt	
	AT179F-20L	20lt	

<b>McCoy's 5A Medium (For Suspension Culture)</b>			
<b>McCoy's 5A Medium (For Suspension Culture)</b> w/ L-Glutamine w/o Calcium chloride and Sodium bicarbonate	AT071-5L	5lt	
	AT071-10X1L	10x1lt	
	AT071-20L	20lt	

<b>MCDB Medium</b>			
<b>MCDB 105 Medium</b> w/ Trace elements, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT131-5L	5lt	
	AT131-10X1L	10x1lt	
	AT131-20L	20lt	
<b>MCDB 110 Medium</b> w/ Trace elements, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT132-5L	5lt	
	AT132-10X1L	10x1lt	
	AT132-20L	20lt	

Product	Code	Packing	Price in ₹
<b>MCDB 131 Medium</b> w/ Trace elements and L-Glutamine w/o Sodium bicarbonate	AT133-1L	1lt	
	AT133-5L	5lt	
	AT133-10X1L	10x1lt	
	AT133-20L	20lt	
<b>MCDB 151 Medium</b> w/ Trace elements, L-Glutamine and 28mM HEPES buffer w/o Sodium bicarbonate	AT134-1L	1lt	
	AT134-5L	5lt	
	AT134-10X1L	10x1lt	
	AT134-20L	20lt	
<b>MCDB 153 Medium</b> w/ Trace elements, L-Glutamine and 28mM HEPES buffer w/o Sodium bicarbonate	AT135-1L	1lt	
	AT135-5L	5lt	
	AT135-10X1L	10x1lt	
	AT135-20L	20lt	
<b>MCDB 302 Medium</b> w/ Trace elements and L-Glutamine w/o Nucleosides and Sodium bicarbonate	AT137-1L	1lt	
	AT137-5L	5lt	
	AT137-10X1L	10x1lt	
	AT137-20L	20lt	

<b>Medium 199</b>			
<b>Medium 199</b> w/ Earle's salts and L-Glutamine w/o Sodium bicarbonate	AT014-1L	1lt	
	AT014-5L	5lt	
	AT014-10X1L	10x1lt	
	AT014-20L	20lt	
	AT014-50L	50lt	
<b>Medium 199</b> w/ Earle's salts w/o L-Glutamine and Sodium bicarbonate	AT014A-10X1L	10x1lt	
	AT014A-20L	20lt	
<b>Medium 199</b> w/ Earle's Salts, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT094-1L	1lt	
	AT094-10X1L	10x1lt	
	AT094-20L	20lt	
<b>Medium 199</b> w/ Earle's Salts and 25mM HEPES buffer w/o L-Glutamine and Sodium bicarbonate	AT094A-10X1L	10x1lt	
	AT094A-20L	20lt	

<b>Medium 199 (For Suspension Culture)</b>			
<b>Medium 199 (For Suspension Culture)</b> w/ Earle's salts and L-Glutamine w/o Calcium chloride, Magnesium sulphate and Sodium bicarbonate	AT043-1L	1lt	
	AT043-10X1L	10x1lt	
	AT043-20L	20lt	

<b>Minimum Essential Medium Eagle (MEM)</b>			
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts and L-Glutamine w/o NEAA and Sodium bicarbonate	AT020-1L	1lt	
	AT020-5L	5lt	
	AT020-10X1L	10x1lt	
	AT020-20L	20lt	
	AT020-50L	50lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts and L-Alanyl-L-Glutamine w/o NEAA and Sodium bicarbonate	AT020G-5L	5lt	
	AT020G-10X1L	10x1lt	
	AT020G-20L	20lt	
	AT020G-50L	50lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts w/o L-Glutamine, NEAA, Phenol red and Sodium bicarbonate	AT159A-5L	5lt	
	AT159A-10X1L	10x1lt	
	AT159A-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, NEAA and L-Glutamine w/o Sodium bicarbonate	AT047-1L	1lt	
	AT047-5L	5lt	
	AT047-10X1L	10x1lt	
	AT047-20L	20lt	
	AT047-50L	50lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts and NEAA w/o L-Glutamine and Sodium bicarbonate	AT047A-1L	1lt	
	AT047A-10X1L	10x1lt	
	AT047A-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, NEAA and L-Glutamine w/o Phenol red and Sodium bicarbonate	AT046-1L	1lt	
	AT046-5L	5lt	
	AT046-10X1L	10x1lt	
	AT046-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts and NEAA w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT046A-1L	1lt	
	AT046A-10X1L	10x1lt	
	AT046A-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, NEAA, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT153-10X1L	10x1lt	
	AT153-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salt, L-Glutamine, NEAA and Sodium pyruvate w/o Sodium bicarbonate	AT154-1L	1lt	
	AT154-5L	5lt	
	AT154-10X1L	10x1lt	
	AT154-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT074-1L	1lt	
	AT074-10X1L	10x1lt	
	AT074-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, L-Glutamine, NEAA, Sodium pyruvate and 15mm HEPES buffer w/o Sodium bicarbonate	AT182-1L	1lt	
	AT182-5L	5lt	
	AT182-10X1L	10x1lt	
	AT182-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Hanks' salts and L-Glutamine w/o Sodium bicarbonate	AT056-1L	1lt	
	AT056-10X1L	10x1lt	
	AT056-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Hanks' salts w/o L-Glutamine and Sodium bicarbonate	AT056A-5L	5lt	
	AT056A-10X1L	10x1lt	
	AT056A-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Hanks' salts, L-Glutamine and NEAA w/o Sodium bicarbonate	AT048-5L	5lt	
	AT048-10X1L	10x1lt	
	AT048-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Hanks' salts, L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT075-1L	1lt	
	AT075-10X1L	10x1lt	
	AT075-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Minimum Essential Medium Eagle (MEM) (Modified for Autoclaving)</b> w/ Earle's salts and NEAA w/o L-Glutamine and Sodium bicarbonate	AT017A-1L	1lt	
	AT017A-5L	5lt	
	AT017A-10X1L	10x1lt	
	AT017A-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM) (Modified for Autoclaving)</b> w/ Earle's salts w/o L-Glutamine, NEAA and Sodium bicarbonate	AT077A-10X1L	10x1lt	
	AT077A-20L	20lt	
<b>Minimum Essential Medium Eagle (For Suspension Culture)</b>			
<b>Minimum Essential Medium Eagle (MEM) (For Suspension Culture)</b> w/ Earle's salts, L-Glutamine and NEAA w/o Calcium chloride, Magnesium sulfate and Sodium bicarbonate	AT238-5L	5lt	
	AT238-10X1L	10x1lt	
	AT238-20L	20lt	
<b>Minimum Essential Medium Eagle (Joklik Modification)</b>			
<b>Minimum Essential Medium Eagle (MEM) (Joklik Modification) (For Suspension Culture)</b> w/ L-Glutamine w/o Calcium chloride and Sodium bicarbonate	AT079-5L	5lt	
	AT079-10X1L	10x1lt	
	AT079-20L	20lt	
<b>Minimum Essential Medium Eagle (Alpha Modification)</b>			
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ L-Glutamine, Ribonucleosides and Deoxyribonucleosides w/o Sodium bicarbonate	AT080-1L	1lt	
	AT080-5L	5lt	
	AT080-10X1L	10x1lt	
	AT080-20L	20lt	
	AT080-50L	50lt	
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ Ribonucleosides and Deoxyribonucleosides w/o L-Glutamine and Sodium bicarbonate	AT080A-5L	5lt	
	AT080A-10X1L	10x1lt	
	AT080A-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ L-Glutamine, Ribonucleosides and Deoxyribonucleosides w/o Sodium bicarbonate and Phenol red	AT253-5L	5lt	
	AT253-10X1L	10x1lt	
	AT253-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ Deoxyribonucleosides, Ribonucleosides and L-Glutamine w/o Ascorbic acid and Sodium bicarbonate	AT221-10X1L	10x1lt	
	AT221-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ L-Glutamine w/o Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate	AT081-1L	1lt	
	AT081-5L	5lt	
	AT081-10X1L	10x1lt	
	AT081-20L	20lt	
	AT081-50L	50lt	
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/o L-Glutamine, Deoxyribonucleosides, Ribonucleosides and Sodium bicarbonate	AT081A-5L	5lt	
	AT081A-10X1L	10x1lt	
	AT081A-20L	20lt	
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ L-Glutamine w/o Sodium pyruvate, Ribonucleosides and deoxyribonucleosides	AT285-1L	1lt	
	AT285-5L	5lt	
	AT285-10X1L	10x1lt	
	AT285-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Minimum Essential Medium Eagle (MEM) (Alpha Modification)</b> w/ L-Glutamine w/o Deoxyribose nucleosides, Ribonucleosides, Phenol red and sodium bicarbonate	<b>New</b> AT300-1L	1lt	
	AT300-5L	5lt	
	AT300-10X1L	10x1lt	
	AT300-20L	20lt	
<b>MEM / F12 1:1 Mixture</b>			
◆ <b>Minimum Essential Medium Eagle / Nutrient Mixture F-12 Ham (MEM / F12 1:1 Mixture)</b> w/ 15mM HEPES buffer, 2.5mM L-Glutamine w/o Sodium bicarbonate	AT237-10X1L	10x1lt	
	AT237-20L	20lt	
<b>NCTC 109 Medium</b>			
<b>NCTC 109 Medium</b> w/ L-Glutamine w/o Sodium bicarbonate	AT138-1L	1lt	
	AT138-5L	5lt	
	AT138-10X1L	10x1lt	
	AT138-20L	20lt	
<b>NCTC 109 Medium</b> w/o L-Glutamine and Sodium bicarbonate	AT138A-1L	1lt	
	AT138A-5L	5lt	
	AT138A-10X1L	10x1lt	
	AT138A-20L	20lt	
<b>Nutrient Mixture F-10 Ham</b>			
<b>Nutrient Mixture F-10 Ham</b> w/ L-Glutamine w/o Sodium bicarbonate	AT024-1L	1lt	
	AT024-5L	5lt	
	AT024-10X1L	10x1lt	
	AT024-20L	20lt	
	AT024-50L	50lt	
<b>Nutrient Mixture F-10 Ham</b> w/o L-Glutamine and Sodium bicarbonate	AT024A-10X1L	10x1lt	
	AT024A-20L	20lt	
	AT024A-50L	50lt	
<b>Nutrient Mixture F-10 Ham</b> w/ L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT083-5L	5lt	
	AT083-10X1L	10x1lt	
	AT083-20L	20lt	
<b>Nutrient Mixture F-10 Ham</b> w/ 20mM HEPES buffer and L-Glutamine w/o Sodium bicarbonate	AT184-1L	1lt	
	AT184-5L	5lt	
	AT184-10X1L	10x1lt	
	AT184-20L	20lt	
<b>Nutrient Mixture F-12 Ham</b>			
<b>Nutrient Mixture F-12 Ham</b> w/ L-Glutamine w/o Sodium bicarbonate	AT025-1L	1lt	
	AT025-5L	5lt	
	AT025-10X1L	10x1lt	
	AT025-20L	20lt	
	AT025-50L	50lt	
<b>Nutrient Mixture F-12 Ham</b> w/o L-Glutamine and Sodium bicarbonate	AT025A-5L	5lt	
	AT025A-10X1L	10x1lt	
	AT025A-20L	20lt	
	AT025A-50L	50lt	
<b>Nutrient Mixture F-12 Ham</b> w/ L-Glutamine w/o Phenol red and Sodium bicarbonate	AT144-1L	1lt	
	AT144-5L	5lt	
	AT144-10X1L	10x1lt	
	AT144-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Nutrient Mixture F-12 Ham</b> w/ L-Glutamine w/o Folic acid, Phenol red and Sodium bicarbonate	AT095-1L	1lt	
	AT095-5L	5lt	
	AT095-10X1L	10x1lt	
	AT095-20L	20lt	
<b>Nutrient Mixture F-12 Ham</b> w/o Folic acid, L-Glutamine, Phenol red and Sodium bicarbonate	AT119A-5L	5lt	
	AT119A-10X1L	10x1lt	
	AT119A-20L	20lt	
<b>Nutrient Mixture F-12 Ham</b> w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT144A-1L	1lt	
	AT144A-5L	5lt	
	AT144A-10X1L	10x1lt	
	AT144A-20L	20lt	
<b>Nutrient Mixture F-12 Ham</b> w/ 10mM HEPES buffer and L-Glutamine w/o Sodium bicarbonate and Phenol red	AT290-1L	1lt	
	AT290-5L	5lt	
	AT290-10X1L	10x1lt	
	AT290-20L	20lt	
<b>Nutrient Mixture F-12 Ham, Kaighn's Modification</b>			
<b>Nutrient Mixture F-12 Ham, Kaighn's Modification</b> w/ L-Glutamine w/o Sodium bicarbonate	AT106-1L	1lt	
	AT106-5L	5lt	
	AT106-10X1L	10x1lt	
	AT106-20L	20lt	
<b>Nutrient Mixture F-12 Ham, Kaighn's Modification</b> w/o L-Glutamine and Sodium bicarbonate	AT106A-10X1L	10x1lt	
	AT106A-20L	20lt	
<b>Nutrient Mixture F-12 Ham, Coon's Modification</b>			
<b>Nutrient Mixture F-12 Ham, Coon's Modification</b> w/ L-Glutamine w/o Sodium bicarbonate	AT146-1L	1lt	
	AT146-5L	5lt	
	AT146-10X1L	10x1lt	
	AT146-20L	20lt	
<b>Nutrient Mixture F-12 Ham, Coon's Modification</b> w/o L-Glutamine and Sodium bicarbonate	AT146A-1L	1lt	
	AT146A-5L	5lt	
	AT146A-10X1L	10x1lt	
	AT146A-20L	20lt	
<b>RPMI-1640</b>			
<b>RPMI-1640</b> w/ L-Glutamine w/o Glucose and Sodium bicarbonate	AT150-1L	1lt	
	AT150-5L	5lt	
	AT150-10X1L	10x1lt	
	AT150-20L	20lt	
<b>RPMI-1640</b> w/ L-Glutamine w/o Sodium bicarbonate	AT028-1L	1lt	
	AT028-5L	5lt	
	AT028-10X1L	10x1lt	
	AT028-20L	20lt	
	AT028-50L	50lt	
<b>RPMI-1640</b> w/o L-Glutamine and Sodium bicarbonate	AT028A-1L	1lt	
	AT028A-5L	5lt	
	AT028A-10X1L	10x1lt	
	AT028A-20L	20lt	
	AT028A-50L	50lt	
<b>RPMI-1640</b> w/ L-Glutamine w/o Folic acid and Sodium bicarbonate	AT028F-1L	1lt	
	AT028F-10X1L	10x1lt	
	AT028F-20L	20lt	

Product	Code	Packing	Price in ₹
<b>RPMI-1640</b> w/o Folic acid, L-Glutamine and Sodium bicarbonate	AT161A-1L	1lt	
	AT161A-10X1L	10x1lt	
	AT161A-20L	20lt	
<b>RPMI-1640</b> w/ Sodium pyruvate w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT229A-1L	1lt	
	AT229A-10X1L	10x1lt	
	AT229A-20L	20lt	
<b>RPMI-1640</b> w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT112A-1L	1lt	
	AT112A-10X1L	10x1lt	
	AT112A-20L	20lt	
<b>RPMI-1640</b> w/ L-Glutamine w/o Phenol red and Sodium bicarbonate	AT120-1L	1lt	
	AT120-5L	5lt	
	AT120-10X1L	10x1lt	
	AT120-20L	20lt	
	AT120-50L	50lt	
<b>RPMI-1640</b> w/ L-Glutamine and 25mM HEPES buffer w/o Sodium bicarbonate	AT060-1L	1lt	
	AT060-5L	5lt	
	AT060-10X1L	10x1lt	
	AT060-20L	20lt	
	AT060-50L	50lt	
<b>RPMI-1640</b> w/ 25mM HEPES buffer w/o L-Glutamine and Sodium bicarbonate	AT060A-1L	1lt	
	AT060A-10X1L	10x1lt	
	AT060A-20L	20lt	
<b>RPMI-1640</b> w/ 25mM HEPES buffer and Sodium pyruvate w/o L-Glutamine and Sodium bicarbonate	AT157A-1L	1lt	
	AT157A-5L	5lt	
	AT157A-10X1L	10x1lt	
	AT157A-20L	20lt	
<b>RPMI-1640</b> w/ 25mM HEPES buffer w/o L-Glutamine, Phenol red and Sodium bicarbonate	AT113A-1L	1lt	
	AT113A-10X1L	10x1lt	
	AT113A-20L	20lt	
<b>RPMI-1640</b> w/ L-Glutamine, Sodium pyruvate, 4.5gms Glucose per litre and 10mM HEPES buffer w/o Sodium bicarbonate	AT162-1L	1lt	
	AT162-5L	5lt	
	AT162-10X1L	10x1lt	
	AT162-20L	20lt	
	AT162-50L	50lt	
<b>RPMI-1640</b> w/ 2mM L-Glutamine, 1mM Sodium pyruvate, 4.5gms Glucose per litre and 10mM HEPES buffer w/o Phenol red and Sodium bicarbonate	AT171-1L	1lt	
	AT171-10X1L	10x1lt	
	AT171-20L	20lt	
<b>RPMI-1640</b> w/ L-Glutamine, Phenol red, 0.2% Glucose and 0.165 moles per litre MOPS buffer w/o Sodium bicarbonate	AT180-1L	1lt	
	AT180-5L	5lt	
	AT180-10X1L	10x1lt	
	AT180-20L	20lt	
<b>RPMI-1640 (Modified for Autoclaving)</b> w/o L-Glutamine and Sodium bicarbonate	AT126A-1L	1lt	
	AT126A-5L	5lt	
	AT126A-10X1L	10x1lt	
	AT126A-20L	20lt	

Product	Code	Packing	Price in ₹
<b>SFRE Medium 199-1</b>			
<b>SFRE Medium 199-1</b> w/ Hanks' salts, L-Glutamine, Galactose and Glucose w/o Sodium bicarbonate and Insulin	AT089-1L	1lt	
	AT089-5L	5lt	
	AT089-10X1L	10x1lt	
	AT089-20L	20lt	
<b>SFRE Medium 199-2</b> w/ Earle's salts, L-Glutamine, Galactose and Glucose w/o Sodium bicarbonate and Insulin	AT090-5L	5lt	
	AT090-10X1L	10x1lt	
	AT090-20L	20lt	
<b>Swim's S-77 Medium</b>			
<b>Swim's S-77 Medium</b> w/ L-Glutamine w/o Streptomycin sulphate, Phenol red and Sodium bicarbonate	AT124-5L	5lt	
	AT124-10X1L	10x1lt	
	AT124-20L	20lt	
<b>Waymouth Medium MB 752/1</b>			
<b>Waymouth Medium MB 752/1</b> w/ L-Glutamine w/o Sodium bicarbonate	AT091-5L	5lt	
	AT091-10X1L	10x1lt	
	AT091-20L	20lt	
<b>William's Medium E</b>			
<b>William's Medium E</b> w/ L-Glutamine w/o Sodium bicarbonate	AT125-1L	1lt	
	AT125-10X1L	10x1lt	
	AT125-20L	20lt	
<b>Dropout Media</b>			
<b>Dropout Media</b> Cell Culture Media without specific components such as salts (Ca, Mg, etc.), amino acids and other nutrients are available upon request. Phenol red free formulations of all media are available.			



Product	Code	Packing	Price in ₹
<b>Insect Media (Liquid)</b>			
<b>Grace's Insect Medium</b> w/ Sodium bicarbonate w/o L-Glutamine	IML001-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Grace's Insect Medium</b> w/ L-Glutamine and Sodium bicarbonate	IML001A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Mitsuhashi and Maramorosch Insect Medium</b> w/ Sodium bicarbonate (Store at 15-30°C)	IML002-500ML	500ml 2x500ml 6x500ml	
<b>Schneider's Insect Medium</b> w/ Calcium chloride and Sodium bicarbonate w/o L-Glutamine	IML003-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Schneider's Insect Medium</b> w/ Calcium chloride, L-Glutamine and Sodium bicarbonate	IML003A-500ML	500ml 2x500ml 6x500ml	
<b>TC-100 Insect Medium</b> w/ Sodium bicarbonate w/o L-Glutamine	IML007-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>TNM-FH Insect Medium</b> w/ Lactalbumin hydrolysate, Yeast extract and Sodium bicarbonate w/o L-Glutamine	IML008-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>TNM-FH Insect Medium</b> w/ Lactalbumin hydrolysate, Yeast extract, L-Glutamine and Sodium bicarbonate	IML008A-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Insect Media (Powder)</b>			
<b>Grace's Insect Medium</b> w/ L-Glutamine w/o Sodium bicarbonate	IM001-1L IM001-10L IM001-10X1L	1lt 10lt 10x1lt	
<b>Mitsuhashi and Maramorosch Insect Medium</b> w/o Sodium bicarbonate (Store at 15-30°C)	IM002-1L IM002-10L IM002-10X1L	1lt 10lt 10x1lt	
<b>Schneider's Insect Medium</b> w/ L-Glutamine w/o Calcium chloride and Sodium bicarbonate	IM003-1L IM003-10L IM003-10X1L	1lt 10lt 10x1lt	
<b>Sheilds and Sang M3 Insect Medium</b> w/ L-Glutamine w/o Potassium bicarbonate	IM004-1L IM004-10L IM004-10X1L	1lt 10lt 10x1lt	
<b>TC-100 Insect Medium</b> w/ L-Glutamine w/o Sodium bicarbonate	IM007-1L IM007-10L IM007-10X1L	1lt 10lt 10x1lt	
<b>TNM-FH Insect Medium</b> Grace's Medium Supplemented w/ L-Glutamine, Lactalbumin hydrolysate and Yeast extract w/o Sodium bicarbonate	IM008-1L IM008-10L IM008-10X1L	1lt 10lt 10x1lt	
<b>Insect Diets</b>			
<b>Drosophila Diet</b> (Store at 15-30°C)	ID001-1L ID001-5L	1lt 5lt	
<b>Vanderzant Vitamin Mixture</b> Animal Component Free (Store at 15-30°C)	ID003-100G ID003-1KG	100gm 1kg	
<b>Wesson's Salt Mixture</b> Insect Cell Culture Tested (Store at 15-30°C)	TS1100-500G TS1100-2KG TS1100-10KG	500gm 2kg 10kg	

# HiSep™ Density Gradient Separation Media



Very low Endotoxin level  $< 0.3 \text{ EU/ml}$   
Manufactured in GMP, ISO 13485 and ISO 9001 certified facility  
CE Marked for IVD (98/79/EC)

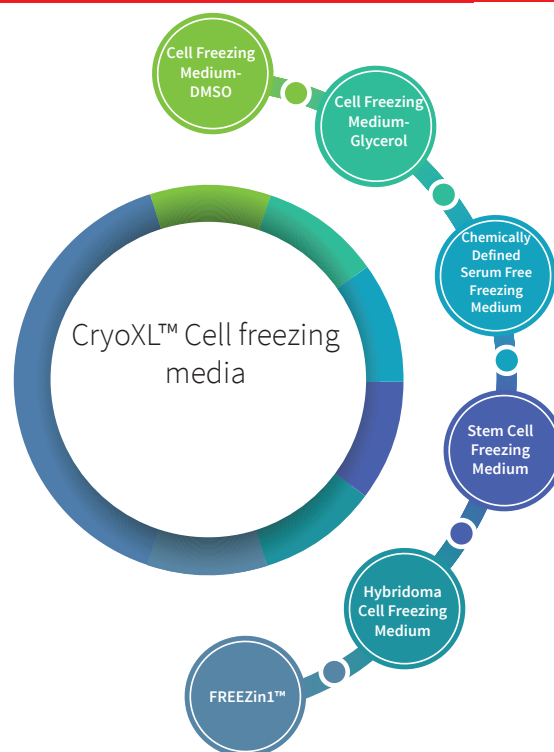
Product	Code	Packing	Price in ₹
<b>HiSep™ LSM 1077</b> Density: 1.077 + 0.0010 g/ml. Recovery: viable human mononuclear cells (Lymphocytes and monocytes). <b>Equivalent to: Ficoll- Paque™ Plus and Histopaque® 1077.</b>	LS001-100ML	100ml	
	LS001-500ML	500ml	
<b>HiSep™ LSM 1073</b> Density: 1.073 + 0.0010 g/ml. Recovery: lower density human mononuclear cells (eg- mesenchymal stromal cells or monocytes). <b>Equivalent to: Ficoll- Paque PREMIUM 1.073.</b>	LS002-100ML	100ml	
	LS002-500ML	500ml	
<b>HiSep™ LSM 1084</b> Density: 1.084 + 0.0010 g/ml. Recovery: large number of viable mononuclear cells from chicken, rats, mice and other mammals. <b>Equivalent to: Ficoll- Paque PREMIUM 1.084 and Histopaque® 1083.</b>	LS003-100ML	100ml	
	LS003-500ML	500ml	
<b>GranuloSep™ GSM 1119</b> Density: 1.119 + 0.0010 g/ml. Recovery: When combined with HiSep™ LSM 1077, it permits separation of mononuclear cells and granulocytes . <b>Equivalent to: Histopaque® 1119.</b>	LS004-100ML	100ml	
	LS004-500ML	500ml	
<b>Ficoll 400-20%</b> A 0.2 micron filtered, non-ionic synthetic polymer of sucrose. It is used in electrophoresis, as a hapten carrier and most commonly used to prepare density gradients.	LS005-25ML	25ml	
	LS005-50ML	50ml	

Code	Product Name	Density	Cell type separated	Species	Tissue Types
LS001-100ML LS001-500ML	HiSep™ LSM 1077	1.077 g/ml	Mononuclear cells (Lymphocytes and monocytes)	Human	Blood
LS002-100ML LS002-500ML	HiSep™ LSM 1073	1.073 g/ml	Lower density human mononuclear cells (eg- mesenchymal stromal cells or monocytes).	Human	Peripheral blood
LS003-100ML LS003-500ML	HiSep™ LSM 1084	1.084 g/ml	Mononuclear cells of higher density	Chicken, Rats, Mice and other Mammals.	Peripheral blood
LS004-100ML LS004-500ML	GranuloSep™ GSM 1119	1.119 g/ml	Mononuclear cells and granulocytes	Human	Peripheral blood
LS005-25ML LS005-50ML LS005-500ML	Ficoll 400-20%	Ficoll 400-20%	Commonly used to prepare density gradients	-	-

# Cryo XL™ Series of Cell Freezing Media

One solution for freezing Cell lines, Primary and Stem cells and Serum free cells

## FREEZin1™



### Product

Code

Packing

Price in ₹

#### Freezing media for regular and sensitive cell lines

<b>CryoXL™ Cell Freezing Medium-DMSO, 1X</b> w/ FBS and DMSO w/o Antibiotics Sterile filtered	<b>TCL043-50ML</b>	<b>50ml</b>	
<b>CryoXL™ Cell Freezing Medium-DMSO, 1X</b> w/ FBS and DMSO w/o Antibiotics Sterile filtered This medium contains high concentration of FBS and can be used for freezing of sensitive cell lines.	<b>TCL093-50ML</b>	<b>50ml</b>	
<b>CryoXL™ Cell Freezing Medium-DMSO, 1X</b> w/ FBS and DMSO w/o Antibiotics and Phenol red Sterile filtered	<b>TCL056-50ML</b>	<b>50ml</b>	
<b>CryoXL™ Cell Freezing Medium-Glycerol, 1X</b> w/ FBS and Glycerol w/o Antibiotics Sterile filtered	<b>TCL044-50ML</b>	<b>50ml</b>	
<b>CryoXL™ Cell Freezing Medium-Glycerol, 1X</b> w/ FBS and Glycerol w/o Antibiotics and Phenol red Sterile filtered	<b>TCL078-50ML</b>	<b>50ml</b>	

### Product

Code

Packing

Price in ₹

#### Animal origin-free and serum-free cell freezing media

<b>FREEZin1™</b> w/ DMSO w/o Antibiotics, Antimycotics and Phenol red Sterile filtered	<b>TCL098-50ML</b>	<b>50ml</b>	
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#### Stem cell freezing media

<b>CryoXL™ Stem Cell Freezing Medium</b> w/ FBS and DMSO w/o Antibiotics Sterile filtered	<b>TCL107-50ML</b>	<b>50ml</b>	
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#### Hybridoma cell freezing media

<b>CryoXL™ Hybridoma Cell Freezing Medium, DMSO, 1X</b> w/ FBS and DMSO w/o Antibiotics This medium is optimized for cryopreservation of hybridoma cells	<b>TCL123-50ML</b>	<b>50ml</b>	
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## Cell Culture Reagents

Product	Code	Packing	Price in ₹	Product	Code	Packing	Price in ₹
<b>Antibiotic Solutions</b>				<b>Gentamicin L-Glutamine Solution</b> w/ 200mM L-Glutamine and 5 mg/ml Gentamicin in 0.9% normal saline	A006-20ML	5x20ml	
<b>Amphotericin B Solution 250µg/ml</b> Cell Culture Tested	A011-20ML	5x20ml		<b>Gentamicin Solution #</b> w/ 10mg/ml Gentamicin sulfate in sterile tissue culture grade water	A010-20ML A010-100ML	20ml 5x20ml 100ml	
<b>Ampicillin solution</b> w/ 10mg/ml Ampicillin sodium salt in sterile tissue culture grade water	A022-20ML	20ml 5x20ml		<b>Gentamicin-Amphotericin B Solution 1000X</b> w/ 30mg/ml Gentamicin and 25µg/ml Amphotericin B in sterile tissue culture grade water	A031-20ML	20ml 5x20ml	
<b>Ampicillin Solution</b> w/ 100mg/ml Ampicillin sodium salt in sterile tissue culture grade water	A023-20ML	20ml		<b>Hygromycin B Solution #</b> w/ 50 mg/ml Hygromycin B in sterile tissue culture grade water	A015-20ML	20ml 5x20ml	
<b>Antibiotic Solution 100X Liquid</b> w/ 10,000 U Penicillin and 10mg Streptomycin per ml in 0.9% normal saline	A001-50ML A001-100ML	50ml 5x50ml 100ml 5x100ml		<b>Kanamycin Solution #</b> w/ 10 mg/ml Kanamycin in 0.9% normal saline	A008-20ML	20ml 5x20ml	
<b>Antibiotic Solution 100X Liquid, Endotoxin tested</b> w/ 10,000 U Penicillin and 10mg Streptomycin per ml in 0.9% normal saline	A001A-50ML A001A-100ML	50ml 5x50ml 100ml 5x100ml		<b>Kanamycin Solution #</b> w/ 50 mg/ml Kanamycin in 0.9% normal saline	A009-20ML	20ml 5x20ml	
<b>Antibiotic Solution 100X Liquid</b> w/ 10,000U Penicillin and 10 mg Streptomycin per ml in citrate buffer	A014-50ML A014-100ML	5x50ml 5x100ml		<b>Neomycin sulphate Solution #</b> w/ 10 mg/ml Neomycin in 0.9% normal saline	A024-20ML	20ml 5x20ml	
<b>Antibiotic Solution 100X Liquid</b> w/ 10,000U Penicillin, 5mg Streptomycin per ml in 0.9% normal saline	A018-50ML A018-100ML	5x50ml 5x100ml		<b>Nystatin Suspension</b> w/ 10,000units Nystatin per ml in Dulbecco's Phosphate Buffered Saline	A012-20ML A012-50ML	5x20ml 5x50ml	
<b>Antibiotic Antimycotic Solution 100X Liquid</b> w/10,000 U Penicillin, 10mg Streptomycin and 25 µg Amphotericin B per ml in 0.9% normal saline	A002-20ML A002-50ML A002-100ML	20ml 5x20ml 5x50ml 100ml 5x100ml		<b>Polymyxin B Solution #</b> w/ 50mg/ml Polymyxin B in sterile tissue culture grade water Suitable for vaccine production	A027-20ML	5x20ml	
<b>Antibiotic Antimycotic Solution 100X Liquid, Endotoxin tested</b> w/10,000 U Penicillin, 10mg Streptomycin and 25 µg Amphotericin B per ml in 0.9% normal saline	A002A-20ML A002A-50ML A002A-100ML	20ml 5x20ml 5x50ml 100ml 5x100ml		<b>L-Glutamine-Penicillin-Streptomycin Solution</b> w/ 200mM L-Glutamine, 10,000 units/ml Penicillin and 10 mg/ml Streptomycin in 0.9% normal saline	A007-20ML A007-100ML	5x20ml 5x100ml	
<b>Antibiotic Solution 50X Liquid</b> w/ 5,000 U Penicillin and 5 mg/ml Streptomycin in 0.9% normal saline	A003-50ML	50ml 5x50ml		<b>Penicillin-Streptomycin-Neomycin Solution</b> w/ 5000 units Penicillin, 5mg Streptomycin and 10mg Neomycin per ml in Citrate buffer	A028-20ML	5x20ml	
<b>Carbenicillin Solution 100mg/ml</b> w/ 100 mg/ml Carbenicillin in sterile tissue culture grade water	A019-20ML	20ml 5x20ml		<b>Penicillin Streptomycin Powder #</b> w/ 5000 units Penicillin and 5 mg Streptomycin per ml in 0.9% normal saline when reconstituted with sterile tissue culture grade water to indicated volume	A004-50ML A004-100ML	5x50ml 5x100ml	
<b>Ciprofloxacin 2% Solution, 5X #</b> w/ 2% Ciprofloxacin in sterile tissue culture grade water	A032-100ML	100ml		<b>Puromycin dihydrochloride Solution #</b> w/ 10mg/ml Puromycin dichrochloride in Cell Culture grade water	A038-20ML	20ml 5x20ml	
<b>Geneticin Solution (G418 Solution)</b> w/ 50 mg/ml Geneticin in sterile tissue culture grade water	A016-20ML	20ml 5x20ml					
<b>Gentamicin Solution #</b> w/ 50 mg/ml Gentamicin in sterile tissue culture grade water	A005-20ML A005-100ML	20ml 1x100ml					

Product	Code	Packing	Price in ₹
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**Balanced Salts**



**Balanced Salt Solutions (Liquid)**

Dulbecco's Phosphate Buffered Saline 1X w/o Phenol red, Calcium and Magnesium	TL1006-100ML	5x100ml
	TL1006-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
	TL1006-1000ML	1000ml
Dulbecco's Phosphate Buffered Saline 1X w/ Calcium and Magnesium w/o Phenol red	TL1023-100ML	5x100ml
	TL1023-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Phosphate Buffered Saline 1X w/ 1000mg/L D-Glucose, 36mg Sodium pyruvate per litre, Calcium and Magnesium w/o Phenol red	TL1106-100ML	5x100ml
	TL1106-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Phosphate Buffered Saline 10X w/o Phenol red, Calcium and Magnesium	TL1022-100ML	5x100ml
	TL1022-500ML	500ml
		2x500ml
		6x500ml
		20x500ml
Dulbecco's Phosphate Buffered Saline with Gentamicin # w/ 120 µg/ml Gentamicin sulphate w/o Calcium, Magnesium and Phenol red contains 20ml DPBS in 50ml self-standing centrifuge tube	TL1145-20ML	50x20ml
Earle's Balanced Salt Solution 1X w/ Phenol red and sodium bicarbonate	TL1002-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Product	Code	Packing	Price in ₹
Earle's Balanced Salt Solution 1X w/ Sodium bicarbonate and Phenol red w/o Calcium and Magnesium	TL1110-100ML	5x100ml	
	TL1110-500ML	500ml	
		2x500ml	
		6x500ml	
		20x500ml	
Earle's Balanced Salt Solution 1X w/ Sodium bicarbonate w/o Calcium, Magnesium and Phenol red	TL1107-100ML	5x100ml	
	TL1107-500ML	500ml	
		2x500ml	
		6x500ml	
		20x500ml	
Hanks' Balanced Salt Solution 1X w/ Phenol red and Sodium bicarbonate w/o Calcium	TL1024-500ML	500ml	
		2x500ml	
		6x500ml	
		20x500ml	

Hanks' Balanced Salt Solution 1X w/ Phenol red and Sodium bicarbonate	TL1003-100ML	5x100ml
	TL1003-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Hanks' Balanced Salt Solution 1X w/ Sodium bicarbonate w/o Phenol red	TL1010-100ML	5x100ml
	TL1010-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Hanks' Balanced Salt Solution 1X w/ 10mM HEPES and Sodium bicarbonate w/o Phenol red, Calcium and Magnesium	TL1151-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Hanks' Balanced Salt Solution 1X w/ Phenol red w/o Sodium bicarbonate	TL1019-100ML	5x100ml
	TL1019-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Hanks' Balanced Salt Solution 1X w/ Phenol red w/o Calcium, Magnesium sulphate and Sodium bicarbonate	TL1108-100ML	5x100ml
	TL1108-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Hanks' Balanced Salt Solution 10X w/ Calcium and Magnesium w/o Sodium bicarbonate and Phenol red	TL1109-100ML	5x100ml
	TL1109-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Hanks' Balanced Salt Solution 10X w/ Phenol red w/o Sodium bicarbonate	TL1021-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Hanks' Balanced Salt Solution 10X w/ Phenol red w/o Calcium chloride, Magnesium sulfate and Sodium bicarbonate	TL1122-500ML	500ml
		2x500ml
		6x500ml
		20x500ml

Product	Code	Packing	Price in ₹
<b>Hanks' Balanced Salt Solution 1X</b> w/ Sodium bicarbonate w/o Calcium, Magnesium and Phenol red	TL1098-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Hanks' Balanced Salt Solution 1X</b> w/ Calcium and Magnesium w/o Sodium bicarbonate and Phenol red	TL1155-100ML TL1155-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Krebs - Ringer Biocarbonate Buffer 1X</b> w/ 1.8gms Glucose per litre and Sodium bicarbonate w/o Calcium chloride	TL1097-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Krebs - Ringer Biocarbonate Buffer 1X</b> w/ Calcium chloride, HEPES buffer, 0.2% Bovine Serum Albumin and Sodium bicarbonate w/o Glucose	TL1143-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Krebs - Ringer Phosphate HEPES Buffer pH 7.4</b> w/ 20mM HEPES buffer, Calcium and Magnesium w/o Phenol red	TL1152-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Phosphate Buffered Saline, pH 7.2 1X</b>	TL1031-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Phosphate Buffered Saline, pH 7.2 10X</b>	TL1032-100ML TL1032-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Phosphate Buffered Saline, pH 7.2 20X</b>	TL1033-100ML TL1033-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Phosphate Buffered Saline, pH 7.4 1X</b>	TL1101-100ML TL1101-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Phosphate Buffered Saline, pH 7.4 10X</b>	TL1099-100ML TL1099-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Phosphate Buffered Saline, pH 7.4 1X</b> w/ Phenol red	TL1126-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Potassium Phosphate Buffer, pH 6.8 (1X)</b>	TL1153-100ML TL1153-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Sodium Phosphate Buffered Saline 1X</b>	TL1104-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>Spinner Balanced Salts, Eagle 1X</b> w/ Phenol red and Sodium bicarbonate w/o Calcium chloride	TL1011-100ML TL1011-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	

**Balanced Salts (Powder)**

<b>Dulbecco's Phosphate Buffered Saline</b> w/ Calcium and Magnesium w/o Phenol red	TS1119-1L TS1119-5L TS1119-10X1L TS1119-20L	1lt 5lt 10x1lt 20lt
<b>Dulbecco's Phosphate Buffered Saline</b> w/o Calcium, Magnesium and Phenol red	TS1006-1L TS1006-5L TS1006-10X1L TS1006-20L TS1006-50L	1lt 5lt 10x1lt 20lt 50lt
<b>Hanks' Balanced Salts</b> w/ Phenol red w/o Sodium bicarbonate	TS1003-1L TS1003-5L TS1003-10X1L TS1003-20L TS1003-50L	1lt 5lt 10x1lt 20lt 50lt
<b>Hanks' Balanced Salts</b> w/o Phenol red and Sodium bicarbonate	TS1010-1L TS1010-5L TS1010-10X1L TS1010-20L TS1010-50L	1lt 5lt 10x1lt 20lt 50lt
<b>Hanks' Balanced Salts</b> w/ Phenol red w/o Calcium, Magnesium and Sodium bicarbonate	TS1033-1L TS1033-5L TS1033-10X1L TS1033-20L	1lt 5lt 10x1lt 20lt
<b>Hanks' Balanced Salts</b> w/ Phenol red w/o Calcium and Sodium bicarbonate	TS1020-1L TS1020-5L TS1020-10X1L TS1020-20L	1lt 5lt 10x1lt 20lt
<b>Hanks' Balanced Salts</b> w/o Calcium, Magnesium, Phenol red and Sodium bicarbonate	TS1098-1L TS1098-5L TS1098-10X1L TS1098-20L	1lt 5lt 10x1lt 20lt
<b>Krebs-Ringer Bicarbonate Buffer</b> w/ 1.8 gms Glucose per litre w/o Phenol red, Calcium chloride and Sodium bicarbonate	TS1097-1L TS1097-5L TS1097-10X1L TS1097-20L	1lt 5lt 10x1lt 20lt

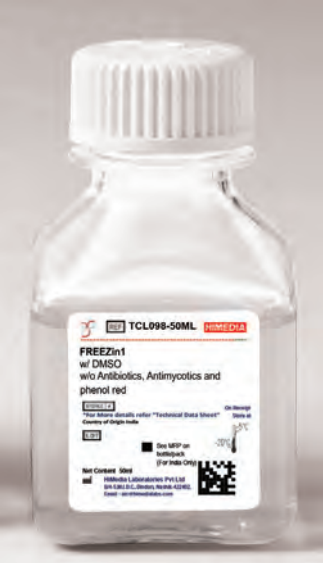
Product	Code	Packing	Price in ₹
<b>Krebs-Ringer Phosphate HEPES Buffer</b> w/ 20mM HEPES buffer, Calcium and Magnesium w/o Phenol red	TS1152-1L	1lt	
	TS1152-5L	5lt	
	TS1152-10X1L	10x1lt	
	TS1152-20L	20lt	
<b>Krebs-Henseleit Buffer</b> w/ 2gms Glucose per litre w/o Calcium chloride and Sodium bicarbonate	TS1148-1L	1lt	
	TS1148-5L	5lt	
	TS1148-10X1L	10x1lt	
	TS1148-20L	20lt	
<b>Phosphate Buffered Saline, pH 7.2</b>	TS1099-1L	1lt	
	TS1099-5L	5lt	
	TS1099-10X1L	10x1lt	
	TS1099-20L	20lt	
	TS1099-50L	50lt	
<b>Phosphate Buffered Saline, pH 7.4</b> w/ 1% Bovine Serum Albumin	TS1120-1L	1lt	
	TS1120-5L	5lt	
	TS1120-10X1L	10x1lt	
	TS1120-20L	20lt	

Product	Code	Packing	Price in ₹
<b>Phosphate Buffered Saline, pH 7.4</b>	TS1101-1L	1lt	
	TS1101-5L	5lt	
	TS1101-10X1L	10x1lt	
	TS1101-20L	20lt	
	TS1101-50L	50lt	
<b>Phosphate Buffered Saline, pH 7.4</b> w/ 1 gm/ litre Glucose and Phenol red w/o Calcium, Magnesium and Sodium bicarbonate	TS1150-1L	1lt	
	TS1150-5L	5lt	
	TS1150-10X1L	10x1lt	
	TS1150-20L	20lt	
<b>Spinner Salts, Eagle</b> w/ Phenol red w/o Calcium chloride and Sodium bicarbonate	TS1011-1L	1lt	
	TS1011-5L	5lt	
	TS1011-10X1L	10x1lt	
	TS1011-20L	20lt	

ACG

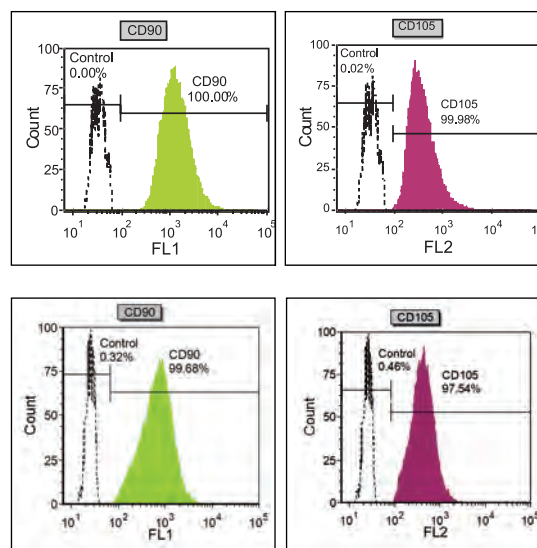
## FREEZin1™ Universal Freezing Medium - TCL098

A xeno-free, serum-free cryopreservation medium for MSCs



- High recovery rates
- More than 90% post-revival viability
- Optimized for MSCs cultured in STEMIn1™
- Maintains trilineage differentiation potential
- Ready-to-use

IVD CE



Refer page no 402 and 428

# Cell Dissociation Reagents

## Animal Origin Free

EnVzyme™ • RecombIN™ • ZymeFree™




**TSE- BSE Risk Eliminated**

**Regulatory concerns minimized**

Product	Code	Packing	Price in ₹
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### RecombIN™



- Alternative for bovine/ porcine trypsin
- Compatible with serum free and serum supplemented cultures

<b>RecombIN™</b> Recombinant Trypsin Source : Ecoli	TCL162-100ML	100ml
	TCL162-500ML	500ml

### ZymeFree™

<b>ZymeFree™ Enzyme Free Cell Dissociation Reagent #</b> in Dulbecco's Phosphate Buffered Saline 1X	TCL028-100ML	100ml
	TCL028-500ML	5x100ml 2x500ml

## Animal Origin

<b>Accutase®</b> 1X Accutase® enzymes in Dulbecco's Phosphate Buffered Saline w/ Phenol red Sterile filtered Accutase® is a ready-to-use cell detachment solution of proteolytic and collagenolytic enzymes. Accutase® is a direct replacement for trypsin solution useful for the routine detachment of cells	TCL075-100ML	100ml
	TCL075-500ML	5x100ml 500ml

<b>Collagenase Type I Solution, 0.25%</b> w/ 0.25% Collagenase type I in PBS and 20% Fetal Bovine Serum	TCL116-20ML	20ml
	TCL116-100ML	100ml

<b>Collagenase Type IV Solution</b> w/ 1mg/ml Collagenase type IV in DMEM/F12 medium	TCL117-20ML	20ml
	TCL117-100ML	100ml

<b>Collagenase-Hyaluronidase Solution 10X</b>	TCL118-10ML	10ml
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<b>Collagenase-Dispase® Solution</b> 3 mg/ml of Collagenase I and 4mg/ml of Dispase in Dulbecco's Phosphate Buffered Saline w/o Calcium and Magnesium	TCL142-10ML	10ml
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<b>Dispase® Solution, 5mg/ml</b> in DMEM/F-12 1:1 Mixture w/ Phenol red	TCL114-100ML	100ml
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Product	Code	Packing	Price in ₹
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### EnVzyme™

- Vegetable origin cell dissociation reagent
- Milder than trypsin and gentle on cells
- Trypsin inhibitor not required
- Retains cell surface markers

<b>EnVzyme™ Easy</b> For easy to dissociate cells	TCL137-100ML	100ml
	TCL137-500ML	500ml
<b>EnVzyme™ Super</b> For hard to dissociate cells	TCL153-100ML	100ml
	TCL153-500ML	500ml





Product	Code	Packing	Price in ₹
<b>Trypsin Solutions</b>			
<b>Trypsin 0.1% Solution 1X</b> 0.1% Trypsin in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL011-100ML	100ml	
	TCL011-500ML	5x100ml	
	TCL011-500ML	500ml	
<b>Trypsin 0.25% Solution 1X</b> 0.25% Trypsin in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL006-100ML	100ml	
	TCL006-500ML	5x100ml	
	TCL006-500ML	500ml	
<b>Trypsin 0.25% Solution 1X</b> 0.25% Trypsin in Hanks' Balanced Salt Solution w/ Phenol red w/o Calcium and Magnesium	TCL047-100ML	100ml	
	TCL047-500ML	5x100ml	
	TCL047-500ML	500ml	
<b>Trypsin 0.25% Solution 1X</b> 0.25% Trypsin in Hanks' Balanced Salt Solution w/o Calcium, Magnesium and Phenol red	TCL151-100ML	100ml	
	TCL151-500ML	5x100ml	
	TCL151-500ML	500ml	
<b>Trypsin 2.5% Solution 10X</b> 2.5% Trypsin in Hanks' Balanced Salt Solution 10X w/o Phenol red	TCL008-100ML	100ml	
	TCL008-500ML	5x100ml	
	TCL008-500ML	500ml	
<b>Trypsin 0.25% Solution 1X</b> 0.25% Trypsin in Citrate buffer w/o Phenol red	TCL111-100ML	100ml	
	TCL111-500ML	5x100ml	
	TCL111-500ML	500ml	

<b>Trypsin EDTA Solutions</b>			
<b>Trypsin - EDTA Solution 1X</b> 0.25% Trypsin and 0.02% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL007-100ML	100ml	
	TCL007-500ML	5x100ml	
	TCL007-500ML	500ml	
<b>Trypsin - EDTA Solution 1X</b> 0.25% Trypsin and 0.02% EDTA in Hanks' Balanced Salt Solution w/ Phenol red	TCL049-100ML	100ml	
	TCL049-500ML	5x100ml	
	TCL049-500ML	500ml	
<b>Trypsin - EDTA Solution 1X</b> 0.25% Trypsin and 0.02% EDTA in Hanks' Balanced Salt Solution w/o Calcium, Magnesium and Phenol red	TCL152-100ML	100ml	
	TCL152-500ML	5x100ml	
	TCL152-500ML	500ml	
<b>Trypsin - EDTA Solution 1X</b> 0.25% Trypsin and 0.02% EDTA in 0.8% normal saline w/ 0.4 g/L Potassium chloride, 1.0g/L Glucose, 0.35 g/L Sodium bicarbonate and 0.01 g/L Phenol red	TCL165-100ML	100ml	
	TCL165-500ML	5x100ml	
	TCL165-500ML	500ml	
<b>Trypsin-EDTA Solution 1X</b> 0.25% Trypsin Gamma irradiated and 0.02% EDTA in Hanks' Balanced Salt Solution w/ Phenol red	TCL155-100ML	100ml	
	TCL155-500ML	5x100ml	
	TCL155-500ML	500ml	

Product	Code	Packing	Price in ₹
<b>Trypsin - EDTA Solution 1X</b> 0.25% trypsin, 0.038% EDTA in Hanks' Balanced Salt Solution w/o Calcium and Magnesium w/ Phenol red	TCL048-100ML	100ml	
	TCL048-500ML	5x100ml	
	TCL048-500ML	500ml	
<b>Trypsin-EDTA Solution 1X</b> 0.25% Trypsin and 0.038% EDTA in Hanks' Balanced Salt Solution w/o Calcium, Magnesium and Phenol red	TCL154-100ML	100ml	
	TCL154-500ML	5x100ml	
	TCL154-500ML	500ml	
<b>Trypsin - EDTA Solution 1X</b> 0.25% Trypsin and 0.001% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL014-100ML	100ml	
	TCL014-500ML	5x100ml	
	TCL014-500ML	500ml	
<b>Trypsin-EDTA Solution 1X</b> 0.05% Trypsin, 0.02% EDTA in Hanks' Balanced Salt Solution w/ Phenol red	TCL033-100ML	100ml	
	TCL033-500ML	5x100ml	
	TCL033-500ML	500ml	
<b>Trypsin-EDTA Solution 1X</b> w/ 0.05% Trypsin and 0.02% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL139-100ML	100ml	
	TCL139-500ML	5x100ml	
	TCL139-500ML	500ml	
<b>Trypsin-EDTA Solution 1X</b> w/ 0.25% Trypsin, 0.1% EDTA in Hanks' Balanced Salt Solution w/o Phenol red	TCL042-100ML	100ml	
	TCL042-500ML	5x100ml	
	TCL042-500ML	500ml	
<b>Trypsin-EDTA Solution 1X</b> 0.25% Trypsin and 0.2% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	T001-100ML	100ml	
	T001-500ML	5x100ml	
	T001-500ML	500ml	
<b>Trypsin-EDTA Solution 1X</b> w/ 500 BAAE units Porcine trypsin and 180µg EDTA tetrasodium salt per ml in Dulbecco's Phosphate Buffered Saline w/o Calcium, Magnesium and Phenol red	TCL081-100ML	100ml	
	TCL081-500ML	5x100ml	
	TCL081-500ML	500ml	
<b>Trypsin-EDTA Solution 1X</b> w/ 0.025% Trypsin and 0.01% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL099-100ML	100ml	
	TCL099-500ML	5x100ml	
	TCL099-500ML	500ml	
<b>Trypsin-EDTA Solution 10X</b> 0.5% Trypsin, 0.2% EDTA in 0.85% normal saline w/o Phenol red	TCL034-100ML	100ml	
	TCL034-500ML	5x100ml	
	TCL034-500ML	500ml	
<b>Trypsin-EDTA Solution 10X</b> 0.5% Trypsin (1:250) Gamma irradiated and 0.2% EDTA in 0.85% normal saline w/o Phenol red	TCL144-100ML	100ml	
	TCL144-500ML	5x100ml	
	TCL144-500ML	500ml	
<b>Trypsin-EDTA Solution 10X</b> w/ 0.5% Trypsin and 0.2% EDTA in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL140-100ML	100ml	
	TCL140-500ML	5x100ml	
	TCL140-500ML	500ml	

Product	Code	Packing	Price in ₹
<b>Trypsin-EDTA Solution 10X</b> w/ 2.5% Trypsin (1:250), 0.2% EDTA in 0.85% normal saline w/o Phenol red	TCL070-100ML	100ml	
	TCL070-500ML	5x100ml 500ml	
<b>Trypsin-EDTA Solution 1X</b> w/ 0.05% Trypsin, 0.02% EDTA and 0.1% Glucose, 0.8% Sodium chloride, 0.04% Potassium chloride and 500mg per liter Sodium bicarbonate w/o Phenol red	TCL145-100ML	100ml	
	TCL145-500ML	5x100ml 500ml 6x500ml	
<b>Trypsin-EDTA Solution 1X</b> 0.25% Trypsin, 0.03% EDTA in PBS w/ Phenol red	TCL179-100ML	100ml	
	TCL179-500ML	5x100ml 500ml 6x500ml	
<b>Trypsin-EDTA Solution 1X</b> 0.05% Trypsin and 0.02% EDTA IN 0.04% KCl, 0.1% glucose, 0.58g/L sodium bicarbonate and phenol red in 0.8% normal saline	TCL184-100ML	100ml	
	TCL184-500ML	5x100ml 500ml 6x500ml	
<b>TPVG Solutions</b>			
<b>Trypsin Phosphate Versene Glucose (TPVG) Solution 1X</b> 0.25% Trypsin, 0.5% PVP, 0.02% EDTA and 0.05% Glucose in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL022-100ML	100ml	
	TCL022-500ML	5x100ml 500ml 6x500ml	

Product	Code	Packing	Price in ₹
<b>Trypsin Phosphate Versene Glucose (TPVG) Solution 1X</b> 0.25% Trypsin, 0.5 % PVP, 0.02% EDTA and 0.05% Glucose in Dulbecco's Phosphate Buffered Saline w/ Phenol red	TCL143-100ML	100ml	
	TCL143-500ML	5x100ml 500ml 6x500ml	
<b>Trypsin Phosphate Versene Glucose (TPVG) Solution 1X</b> 0.1% Trypsin, 0.02% EDTA, 0.05% Glucose in Dulbecco's Phosphate Buffered Saline w/ Phenol red	TCL031-100ML	100ml	
	TCL031-500ML	5x100ml 500ml 6x500ml	
<b>Trypsin Phosphate Versene Glucose (TPVG) Solution 1X</b> 0.1% Trypsin, 0.02% EDTA, 0.05% Glucose in Dulbecco's Phosphate Buffered Saline w/o Phenol red	TCL120-100ML	100ml	
	TCL120-500ML	5x100ml 500ml 6x500ml	
<b>Versene Solutions</b>			
<b>Versene (EDTA) 0.1% Solution 1X</b> 0.1% Versene in Dulbecco's Phosphate Buffered Saline w/o Phenol red Store at 15-30°C	TCL020-100ML	5x100ml	
	TCL020-500ML	2x500ml	
<b>Trypsin Inhibitors</b>			
<b>Trypsin Inhibitor from Soyabean 1X, Liquid #</b> w/ 1mg/ml of Trypsin inhibitor in Dulbecco's Phosphate Buffered Saline	TCL068-100ML	100ml 5x100ml	

## Miscellaneous Reagents

Product	Code	Packing	Price in ₹
<b>Carrier Proteins</b>			
<b>Bovine Albumin Fraction V 7.5% Solution #</b> in Dulbecco's Phosphate Buffered Saline	TCL036-100ML	100ml	
<b>Attachment Factors</b>			
<b>Collagen Peptide Solution 1%</b> w/ 1% Collagen Peptide in Dulbecco's Phosphate Buffered Saline	TCL127-50ML TCL127-100ML	50ml 100ml	
<b>Gelatin Solution 0.5%</b> w/ 0.5% Type B Gelatin from bovine skin in sterile tissue culture grade water	TCL109-100ML	100ml	
<b>Gelatin Solution 2%</b> w/ 2% Type B Gelatin from bovine skin in sterile tissue culture grade water	TCL059-100ML	100ml	
<b>Poly-L-Ornithine Solution, 0.01% #</b>	TCL148-50ML	50ml	
<b>Media Supplements and Buffers</b>			
<b>L-Glutamine 200mM Solution</b> L-Glutamine in 0.85% normal saline Cell culture tested Store at -20°C	TCL012-20ML TCL012-100ML TCL012-500ML	5x20ml 5x100ml 500ml 2x500ml	
<b>HiGlutaXL™ Supplement 200mM #</b> w/ L-Alanyl-L-Glutamine in 0.85% normal saline	TCL030-100ML	100ml 5x100ml	
<b>HEPES 1M Solution #</b> Cell culture tested	TCL021-100ML TCL021-50ML TCL021-500ML	100ml 5x50ml 500ml 2x500ml	
<b>1N Hydrochloric Acid Solution</b>	TCL003-20ML	10x20ml	
<b>Potassium bicarbonate Solution 7.5%</b>	TCL024-100ML	5x100ml	
<b>Sodium bicarbonate Solution 7.5%</b>	TCL013-100ML TCL013-500ML	100ml 5x100ml 500ml	
<b>1N Sodium Hydroxide</b>	TCL002-20ML	10x20ml	
<b>Sodium Pyruvate Solution 100mM #</b>	TCL015-100ML	100ml 5x100ml	
<b>0.5M EGTA solution, pH 8.0 #</b>	TCL188-100ML TCL188-500ML	100ml 500ml	
<b>0.5M EDTA solution, pH 8.0 #</b>	TCL189-100ML TCL189-500ML	100ml 500ml	
<b>HEPES Solution #</b> 1M in normal saline	TCL190-100ML TCL190-500ML	100ml 500ml	

Product	Code	Packing	Price in ₹
<b>Others</b>			
<b>D-(+)-Glucose Solution 45%, Autoclaved</b> w/ 45% D-(+)-Glucose in sterile tissue culture grade water	TCL077-100ML TCL077-500ML	100ml 500ml	
<b>Heparin Solution, 1000 units/ml #</b> Sterile filtered Cell culture tested	TCL129-50ML	50ml	
<b>DL-Lactic acid Sodium salt solution, 60% #</b>	TCL138-100ML TCL138-500ML	100ml 500ml	
<b>Pluronic F-68® Solution 10%, 100X</b>	TCL023-100ML	100ml	
<b>Recombinant Human Insulin Solution, 10mg/ml #</b>	TCL035-10ML TCL035-20ML	10ml 20ml	
<b>Recombinant Human Insulin Solution, 5mg/ml #</b>	TCL125-10ML TCL125-20ML	10ml 20ml	
<b>Paraformaldehyde Solution, 4%</b> 4% Paraformaldehyde in Phosphate Buffered Saline	TCL119-100ML	100ml	

<b>Water</b>			
<b>Water, Sterile, Molecular Biology Grade</b> DEPC treated, Nuclease and Protease free	TCL016-100ML TCL016-500ML TCL016-1000ML	20X100ml 500ml 10x500ml 10x1000ml	
<b>Water, Sterile, Molecular Biology Grade</b> Endotoxin tested DEPC treated, Nuclease and Protease free	TCL018-100ML TCL018-500ML TCL018-1000ML	20X100ml 500ml 10x500ml 10x1000ml	
<b>Water, Sterile, Tissue Culture Grade</b>	TCL010-100ML TCL010-500ML TCL010-1000ML	20X100ml 500ml 10x500ml 10x1000ml	
<b>Water, Sterile, Tissue Culture Grade</b> Endotoxin Tested	TCL019-100ML TCL019-500ML TCL019-1000ML	20X100ml 500ml 10x500ml 10x1000ml	

<b>Cell Lysis Solutions</b>			
<b>RIPA buffer #</b> Sterile filtered	TCL131-100ML TCL131-500ML	100ml 500ml	
<b>Triton™ X-100 Solution, 10% #</b> Sterile filtered	TCL135-100ML TCL135-500ML	100ml 500ml	
<b>Triton™ X-100 Solution, 20% #</b> Sterile filtered	TCL136-100ML TCL136-500ML	100ml 500ml	
<b>Urea Buffer #</b> Sterile filtered	TCL161-100ML TCL161-500ML	100ml 500ml	
<b>20% Tween® 20</b> Sterile filtered	TCL166-100ML TCL166-500ML	100ml 500ml	

# Cell Culture Supplements

Product	Code	Packing	Price in ₹
<b>Amino Acid Concentrates</b>			
<b>Amino Acids Concentrate (Liquid)</b>			
MEM Amino Acids Solution 100X # w/o L-Glutamine	ACL002-100ML	100ml 5x100ml	
MEM Glasgow's Modification Amino Acids Solution 100X # w/o L-Glutamine	ACL003-100ML	100ml 5x100ml	
MEM Non Essential Amino Acids Solution 50X #	ACL005-100ML	100ml 5x100ml	
MEM Non Essential Amino Acids Solution 100X #	ACL006-100ML	100ml 5x100ml	
<b>Amino Acids Concentrate (Powder)</b>			
MEM Dulbecco's Modification Amino Acids 50X #	AC004-1L AC004-10X1L	1lt 10x1lt	
MEM Glasgow Modification Amino Acids 50X # w/o L-Glutamine	AC003-1L AC003-10X1L	1lt 10x1lt	
MEM-Non Essential Amino Acids (NEAA) 50X #	AC005-1L AC005-10X1L	1lt 10x1lt	
<b>Hydrolysates</b>			
<b>Casein Enzyme Hydrolysate</b>			
♦ Casitose Cell Culture Tested	TC370-500G TC370-5KG TC370-25KG	500gm 5kg 25kg	
<b>Cotton Hydrolysate</b>			
Cotton hydrolysate Cell Culture Tested	TC651-500G TC651-5KG TC651-25KG	500gm 5kg 25kg	
<b>Lactalbumin Hydrolysate</b>			
Lactalbumin Hydrolysate Cell Culture Tested	TC367-500G TC367-5KG TC367-25KG	500gm 5kg 25kg	
Lactalbumin Hydrolysate Cell Culture Tested Gamma irradiated	TC367G-500G TC367G-5KG TC367G-25KG	500gm 5kg 25kg	

Product	Code	Packing	Price in ₹
Lactalbumin Hydrolysate Cell Culture Tested Recommended as a vaccine stabilizer	TC367V-500G TC367V-5KG TC367V-25KG	500gm 5kg 25kg	
<b>Meat Peptone</b>			
Meat Peptone (Henceforth referred as HM Peptone) Cell Culture Tested	TC371-500G TC371-5KG TC371-25KG	500gm 5kg 25kg	
<b>Pea Hydrolysate</b>			
Pea hydrolysate Cell Culture Tested	TC650-500G TC650-5KG TC650-25KG	500gm 5kg 25kg	
<b>Soya Peptone</b>			
Soya Peptone Cell Culture Tested	TC608-500G TC608-5KG TC608-25KG	500gm 5kg 25kg	
Soya Peptone, Ultrafiltered Cell Culture Tested	TC437-500G TC437-5KG TC437-25KG	500gm 5kg 25kg	
<b>Tryptose Phosphate Broth</b>			
Tryptose Phosphate Broth Cell Culture Grade	AT811-100G AT811-500G	100gm 500gm	
Tryptose Phosphate Broth 50X	TCL009-100ML	100ml 5x100ml	
<b>Wheat Hydrolysate</b>			
Wheat hydrolysate Cell Culture Tested	TC649-500G TC649-5KG TC649-25KG	500gm 5kg 25kg	
<b>Yeast Extract</b>			
Yeast Extract Cell Culture Tested	TC369-500G TC369-5KG TC369-25KG	500gm 5kg 25kg	
Yeast Extract, Ultrafiltered Cell Culture Tested	TC438-500G TC438-5KG TC438-25KG	500gm 5kg 25kg	

Product	Code	Packing	Price in ₹
Yeast Extract Granulated Cell Culture Tested	TC535-500G	500gm	
	TC535-5KG	5kg	
	TC535-25KG	25kg	
Yeast Extract, Ultrafiltered Granulated Cell Culture Tested	TC593-500G	500gm	
	TC593-5KG	5kg	
	TC593-25KG	25kg	
Yeast Extract Solution, 150 g/l Cell Culture Tested	TCL041-100ML	100ml	
	TCL041-500ML	500ml	

Product	Code	Packing	Price in ₹
<b>Vitamin Solutions</b>			
<b>Vitamin Solutions (Sterile filtered)</b>			
BME Vitamin Solution 100X Store at -20°C	VA001-100ML	100ml 5x100ml	
MEM Vitamin Solution 100X Store at -20°C	VA002-100ML	100ml 5x100ml	
RPMI 1640 Vitamin Solution 100X Store at -20°C	VA003-100ML	100ml 5x100ml	

## Cytokines by Applications

### Hematopoietic Stem Cell Research

Product	Species	Source	Code
TNF-α	Human	E. coli	CF085
	Murine	E. coli	CF012
G-CSF	Human	E. coli	CF012
	Murine	E. coli	CF013
GM-CSF	Human	E. coli	CF014
	Murine	E. coli	CF015
IL-3	Human	E. coli	CF045
	Murine	E. coli	CF046
IL-6	Human	E. coli	CF049
	Murine	-	CF050
SCF	Human	E. coli	CF071
	Murine	E. coli	CF072
M-CSF	Human	E. coli	CF016
	Murine	E. coli	CF017
TPO	Human	E. coli	CF073
	Murine	E. coli	CF074
EPO	Human	-	CF025
Fit3-Ligand	Human	-	CF031

### Pluripotent Stem Cell Research

Product	Species	Source	Code
Activin A	Human	E. coli	CF002
FGF-basic	Human	E. coli	CF027
BMP-2	Human	E. coli	CF003
BMP-4	Human	E. coli	CF006
	Human	E. coli	CF067
PDGF-BB	Murine	E. coli	CF068
	Human	E. coli	CF071
SCF	Murine	E. coli	CF072
	Human	HEK293	CF078
TGF-β1	Human	CHO	CF079
	Human	E. coli	CF061
LIF	Murine	E. coli	CF062
	Human	E. coli	CF019
VEGF	Human	E. coli	CF019
	Murine	E. coli	CF021

### Neurobiology Research

Product	Species	Source	Code
BMP-2	Human	E. coli	CF003
BMP-4	Human	E. coli	CF006
TGF-β1	Human	HEK293	CF078
	Human	CHO	CF079
FGF-basic	Human	E. coli	CF027
EGF	Human	-	CF023

### Immunology Research

Product	Species	Source	Code
TNF-α	Human	E. coli	CF085
	Murine	E. coli	CF012
G-CSF	Human	E. coli	CF012
	Murine	E. coli	CF013
IFN-g	Human	E. coli	CF040
	Murine	E. coli	CF041
IL-1α	Human	E. coli	CF042
IL-1β	Human	E. coli	CF043
IL-2	Human	E. coli	CF044
IL-3	Human	E. coli	CF045
	Murine	E. coli	CF046
IL-4	Human	E. coli	CF047
	Murine	-	CF048
IL-6	Human	E. coli	CF049
	Murine	-	CF050
IL-7	Human	E. coli	CF051
IL-11	Human	E. coli	CF057
GM-CSF	Human	E. coli	CF014
	Murine	E. coli	CF015

### Mesenchymal Stem Cell Research

Product	Species	Source	Code
FGF-basic	Human	E. coli	CF027
	Human	E. coli	CF067
PDGF-BB	Murine	E. coli	CF068
	Human	E. coli	CF003
BMP-4	Human	E. coli	CF006
TGF-β1	Human	HEK293	CF078
	Human	CHO	CF079
TGF-β3	Human	-	CF082
	Human	E. coli	CF083
IGF-I	Human	E. coli	CF036
	Murine	E. coli	CF037

### Vascular Biology Research

Product	Species	Source	Code
VEGF	Human	E. coli	CF019
	Murine	E. coli	CF021
TNF-α	Human	E. coli	CF085
IL-1α	Human	E. coli	CF042
IL-1β	Human	E. coli	CF043
IL-4	Human	E. coli	CF047
	Murine	-	CF078
IFN-g	Human	E. coli	CF040
	Murine	E. coli	CF041

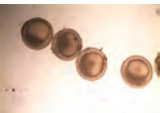

TGF-β superfamily  
IL Family  
TNF Superfamily  
FGF Family  
IGF Family  
EGF Family  
EPO/TPO Family  
Stem Cell Factors  
And many more..

Available in multiple pack sizes -  
2µg,  
10µg,  
50µg,  
100µg

Bulk pack available on request  
Enquire for bulk rate

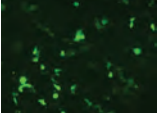
For more information refer page no. 446 - 451

## Speciality Product Segment

Product	Code	Packing	Price in ₹
<b>Mouse IVF Platform</b>			
<b>M2 Medium</b> w/ HEPES buffer, Sodium bicarbonate and Sodium lactate  Mouse embryos in M2 Medium	AL142-500ML	500ml	
<b>M16 Medium</b> w/ Sodium bicarbonate and Sodium lactate  Mouse embryos in M16 Medium	AL143 500ML	500ml	
<b>HTF Medium</b> w/ HEPES buffer and Sodium bicarbonate w/o Phenol red	AL233-100ML AL233-500ML	100ml 500ml	
<b>HTF Medium</b> w/ Sodium bicarbonate and Phenol red w/o HEPES buffer	AL234-500ML	500ml	

<b>Hybridoma Platform</b>			
<b>Hybridoma Culture Media</b>			
<b>HybridoXL™ Medium</b> Part A: Chemically defined powdered medium Part B: Recombinant Human Insulin Powder	AT191-1L AT191-10X1L AT191-20L	1lt 10x1lt 20lt	
<b>HybridoXL™ Medium</b> w/ L-Glutamine, HEPES buffer, Insulin and 1.5gms per litre Sodium bicarbonate 1X Liquid Cell Culture Medium	AL206A-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>McCoy's 5A Medium</b> w/ L-Glutamine and Sodium bicarbonate Hybridoma Tested	AL057H-100ML AL057H-500ML	5x100ml 500ml 2x500ml 6x500ml 20x500ml	
<b>Minimum Essential Medium Eagle (MEM)</b> w/ Earle's salts, NEAA, Sodium bicarbonate and L-Glutamine Hybridoma Tested	AL047H-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>RPMI-1640</b> w/ Sodium bicarbonate w/o L-Glutamine Hybridoma tested	AL028B-500ML	500ml 2x500ml 6x500ml 20x500ml	

Product	Code	Packing	Price in ₹
<b>Hybridoma Tested DMSO</b>			
<b>HybridoXL™ DMSO</b> Cell Culture Tested Hybridoma Tested (Store at 15-30°C)	TC429-100ML	100ml	
<b>HybridoXL™ DMSO</b> Sterile Filtered Cell Culture Tested (Store at 15-30°C)	TC433-100ML	100ml	
<b>Freezing Medium for Hybridoma</b>			
<b>CryoXL™ Hybridoma Cell Freezing Medium, DMSO, 1X</b> w/ FBS and DMSO w/o Antibiotics (Store at -20°C)	TCL123-50ML	50ml	
<b>Hybridoma Selection Supplements</b>			
<b>HAT Medium Supplement 50X, Liquid</b> w/ 680.5 mg/litre Hypoxanthine, 8.8 mg/litre Aminopterin and 193.8 mg/litre Thymidine in Phosphate Buffered Saline (Store at -20°C)	TCL072-10ML TCL072-100ML	5x10ml 10x10ml 100ml	
<b>HT Medium Supplement 50X, Liquid</b> w/ 680.5 mg/litre Hypoxanthine and 193.8 mg/litre Thymidine in Phosphate Buffered Saline (Store at -20°C)	TCL073-10ML TCL073-100ML	5x10ml 10x10ml 100ml	

<b>Transfection Platform</b>			
<b>Media and Kits</b>			
<b>HiTransfect™ Transfection Medium, Serum Free, Animal Component Free, Low protein</b> w/ Sodium bicarbonate w/o L-Glutamine Part A - Basal Medium Part B - Low Protein Growth Supplement (Store at -20°C)  VERO cells cultured in SFM015 and transfected with GFP plasmid (100X)	SFM015-500ML	500ml	
<b>HiTransfect™ Transfection Medium, Reduced Serum</b> w/ Sodium bicarbonate w/o L-Glutamine Part A - Basal Medium Part B - Reduced Serum Supplement (Store at -20°C)	RSL013-500ML	500ml	
<b>HiTransfect™ Transfection Medium, Reduced Serum</b> w/ Sodium bicarbonate w/o Phenol red and L-Glutamine Part A - Basal Medium Part B - Reduced Serum Supplement (Store at -20°C)	RSL020-500ML	500ml	
<b>EZdetect™ β-Gal Staining Kit</b> EZdetect β Gal staining kit provides a method for determining the percentage of cells transfected with the plasmid expressing the β-galactosidase gene, LacZ.	CCK064-1KT	Kit for 300 tests in a 35mm dish	

## Cytogenetics Platform

**HiKaryoXL™**  
**Peripheral Blood**  
Karyotyping Medium

**HiMarrowXL™**  
**Bone Marrow**  
Karyotyping Medium

**HiAmnioXL™**  
**Amniocyte**  
Karyotyping Medium



### IT'S ALL ABOUT UNDERSTANDING GENETICS

Our objective is to make quality diagnostic tools for making cytogenetic analysis convenient, easy and accurate.

Karyotyping media are a series of ready-to-use media developed for short term in vitro culture of peripheral blood lymphocytes bone marrow cells and amniotic fluid cells for cytogenetic studies.

**Guaranteed  
high mitotic index  
&  
desired chromosome  
morphology**

Product	Code	Packing	Price in ₹
<b>Bone Marrow Karyotyping</b>			
Intended for short-term cultivation of primary bone marrow cells for chromosome evaluation			
<b>HiMarrowXL™ Karyotyping Medium</b> <span style="color:red">New</span>	AL301A-10ML AL301A-100ML	50x10ml 100ml 5x100ml	
w/ L-Glutamine, Sodium bicarbonate, FBS, Conditioned Medium and Gentamicin Sulfate			

<b>Amniotic Fluid Karyotyping</b>			
Optimized for culture and genetic analysis of human amniotic fluid, cells and chorionic villi (CV) samples			
<b>HiAmnioXL™ Amniocyte Karyotyping Medium</b> <span style="color:red">New</span>	AL202A-10ML AL202A-100ML	50x10ml 100ml 5x100ml	
w/ L-Glutamine, FBS, Gentamicin Sulfate and Sodium bicarbonate			

<b>Peripheral Blood Karyotyping</b>			
Optimized for short-term cultures of peripheral blood lymphocytes for chromosome analysis			
<b>Media containing PHA-M</b>			
<b>HiKaryoXL™ RPMI Medium</b>	AL165A-10ML AL165A-100ML	50x10ml 100ml 5x100ml	
w/ L-Glutamine, FBS, PHA-M, Penicillin, Streptomycin and Sodium bicarbonate			
<b>HiKaryoXL™ Nutrient Mixture F10 Medium</b>	AL169A-10ML AL169A-100ML	50x10ml 5x100ml	
w/ L-Glutamine, FBS, PHA-M, Penicillin, Streptomycin and Sodium bicarbonate			

<b>Media containing PHA-P as mitogen</b>			
<b>HiKaryoXL™ RPMI Medium</b>	AL249A-10ML AL249A-100ML	50x10ml 5x100ml	
w/ L-Glutamine, FBS, PHA-P, Penicillin, Streptomycin and Sodium bicarbonate			

<b>RPMI Media without mitogen</b>			
<b>HiKaryoXL™ RPMI Medium</b>	AL173A-10ML AL173A-100ML	50x10ml 100ml 5x100ml	
w/ L-Glutamine, FBS, Penicillin, Streptomycin and Sodium bicarbonate w/o PHA-M			
<b>HiKaryoXL™ Nutrient Mixture F-10 Ham Medium</b>	AL185A-100ML	100ml 5x100ml	
w/ L-Glutamine, FBS, Penicillin, Streptomycin and Sodium bicarbonate w/o PHA-M			

<b>Mitotic Stimulators</b>			
<b>HiKaryoXL™ PHA-M Solution</b>	TCL061-10ML	10ml 5x10ml	
w/ 0.1 mg per ml PHA-M in sterile tissue culture grade water			
<b>HiKaryoXL™ PHA-M Solution</b>	TCL071-10ML	10ml 5x10ml	
w/ 1 mg per ml PHA-M in sterile tissue culture grade water			

Product	Code	Packing	Price in ₹
<b>Mitotic Inhibitors</b>			
<b>HiKaryoXL™ Colchicine Solution #</b>	TCL062-20ML	20ml	
w/ 10µg per ml Colchicine in Phosphate Buffered Saline			
<b>HiKaryoXL™ Colcemid® Solution #</b>	TCL074-20ML TCL074-100ML	20ml 100ml	
w/ 10µg per ml Colcemid in Hanks' Balanced salt solution			
<b>HiKaryoXL™ Colcemid® Solution #</b>	TCL133-20ML TCL133-100ML	20ml 100ml	
w/ 10µg per ml Colcemid in Phosphate Buffered Saline			

<b>Related Reagents</b>			
<b>Trypsin Solution for G-Banding</b>	TCL122-100ML	100ml 5x100ml	
w/ 0.025% Trypsin in Dulbecco's Phosphate Buffered Saline			
<b>Gurr Buffer Solution pH 6.8</b> (Store at 15-30°C)	TL1139-500ML	500ml	

<b>Kits</b>			
<b>HiPer® G-Banding Kit</b> For Cattle and Buffalo chromosomes	CCK075-1KT	1kit	

<b>Staining Solutions</b>			
<b>Giemsa Stain Solution</b> (Store at 15-30°C)	TCL083-100ML TCL083-500ML	100ml 500ml	





## Viral Transport Systems

Viral Transport Kit is intended for collection and transportation of **Viruses Chlamydiae, Mycoplasma and Ureaplasma** from the collection site to the laboratory.

It contains HiViral™ Transport Medium that is designed to support a wide range of viruses such as *Herpes Simplex Virus, Adenovirus, Influenza Type A (H1N1, H5N2, H3N2), Respiratory Syncytial Virus, Enterovirus, Mumps Virus and Rhinovirus*. It also contains a suitable swab either for nasopharyngeal, nasal or tracheal sampling.



### HiViral™ Transport Media

- Antibacterial and antifungal agents prevents bacterial and fungal contamination
- Prevents long-term frozen storage of viruses
- Avoids drying up of the sample
- Allows long survival of the present virus
- Prevents the growth of other bacteria and fungi present in the specimen
- Stabilizes the viruses and offers maximum recovery

Manufactured in GMP, ISO 13485 and ISO 9001 certified facility  
CE Marked for IVD (98/79/EC)



Product	Code	Packing	Price in ₹
<b>Media without Glass beads</b>			
<b>HiViral™ Transport Medium</b> with 3ml viral transport medium in a self-standing tube	AL167-50X3ML	50X3ml	
<b>HiViral™ Transport Medium</b> w/ 1 mL Viral Transport Medium in a self-standing tube	AL296-50X1ML	50x1 ml	
<b>Media with Glass beads</b>			
<b>HiViral™ Transport Medium</b> w/ Amphotericin B contains 3ml viral transport medium in self-standing tube with 3 glass beads	AL270-50X3ML	50X3ml	
<b>HiViral™ Transport Medium</b> w/ 1 mL Viral Transport Medium in a self-standing tube with 3 glass beads	AL297-50X1ML	50x1 ml	
<b>Kits with Media with Swabs</b>			
<b>HiViral™ Transport Kit</b> w/ 3 mL Viral Transport Medium in a self-standing tube and one sterile flocked nylon swab with breakpoint.	MS2760-50NO	50nos	
<b>HiViral™ Transport Kit (A)</b> w/ 3 mL Viral Transport Medium in a self-standing tube, one sterile flocked nylon swab with breakpoint and one sterile viscose swab without breakpoint	MS2760A-50NO	50nos	

Product	Code	Packing	Price in ₹
<b>HiViral™ Transport Kit (B)</b> w/ 3 mL Viral Transport Medium in a self-standing tube, one sterile flocked nylon swab with breakpoint and one sterile polyester swab without breakpoint	MS2760B-50NO	50nos	
<b>HiViral™ Transport Kit (D)</b> w/ 3 mL Viral Transport Medium in a self-standing tube and one sterile viscose swab without breakpoint	MS2760D-50NO	50nos	
<b>HiViral™ Transport Kit (E)</b> w/ 3 mL Viral Transport Medium in a self-standing tube, one sterile flocked nylon swab and one sterile polyester swab with breakpoint	MS2760E-50NO	50nos	
<b>HiViral™ Transport Kit (F)</b> w/ 3 mL Viral Transport Medium in a self-standing tube and one sterile polyester swab with breakpoint	MS2760F-50NO	50nos	
<b>HiViral™ Transport Kit (G)</b> w/ 3 mL Viral Transport Medium in a self-standing tube and one sterile foam tipped swab with breakpoint	MS2760G-50NO	50nos	
<b>HiViral™ Transport Kit (H)</b> w/ 3 mL Viral Transport Medium in a self-standing tube and two sterile flocked nylon swabs with breakpoint	MS2760H-50NO	50nos	

## Swabs - Design, Type and Usage

### Flocked Nylon Swab

The ultra-flexible plastic shaft is ergonomically designed to optimize the collection efficiency with improved patient comfort. The capillary action between the nylon fiber strands facilitates strong hydraulic uptake of liquid samples. The sample stays close to the surface allowing easier and rapid elution, which results in minimum hands-on specimen processing.

- Suitable for nasal and nasopharyngeal sampling
- Available in unique molded breakpoint design



Product Code : PW1172

### Viscose Swab

The viscose swabs consists of exceptional particle entrapment capability, high absorbency that provides maximum retention of the sample. Its long perpendicular shaft is flexible and offers precise control while sampling.

- Suitable for collecting throat samples



Product Code : PW043

### Polyester Swab

The polyester swab consists of a synthetic fiber spun around the sleek plastic shaft that offers excellent collection and release properties. This feature makes it ideal for intricate and delicate sampling.

- Suitable for collecting tracheal specimens, cells or fluids for DNA testing
- Available in both with and without unique molded breakpoint design



Product Code : PW1180

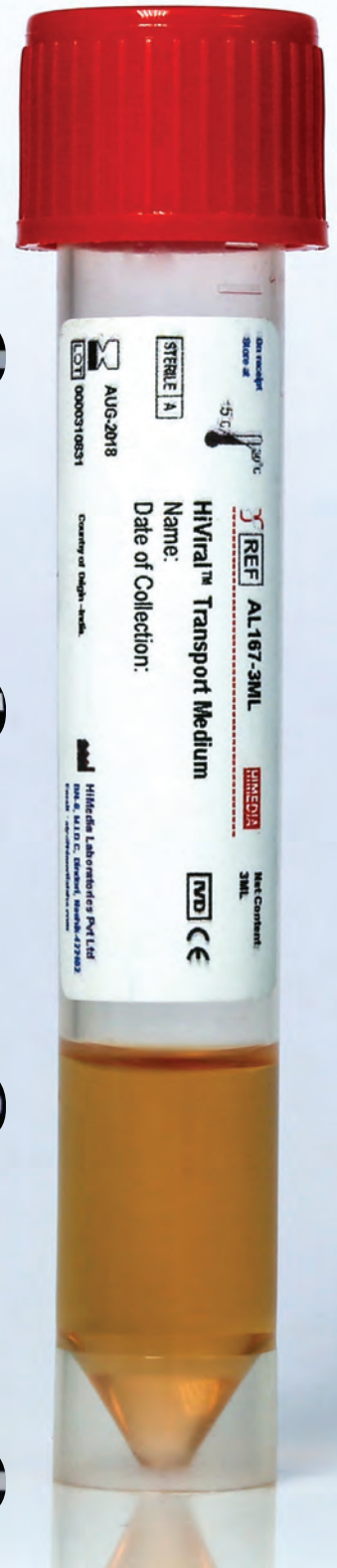
### Foam Tipped Swab

The high-absorbency foam tip is designed for retention and rapid elution of samples. It flexible tip reaches deeper into confined and narrow spaces allowing better patient comfort.

- Suitable for nasopharyngeal sampling
- Available in unique molded breakpoint design



Product Code : PW1174



# SERA

## Choose the Right Sera

### Research Grade & Sure Fetal Bovine Sera

Research Grade, Fetal Bovine Sera

**An economical alternative for your research!**

HiMedia's Research Grade FBS Sera provides exceptional value and quality for everyday applications. This sera helps to meet your research needs and budget requirements, offering the best value for basic cell culture, specialty research, and specific assays.

Sure Fetal Bovine Sera

**Certified serum for commercial applications**

Sure Fetal Bovine Sera are manufactured from countries with negligible BSE risk zones following stringent manufacturing and quality control procedures. They are triple 0.1µm sterile filtered with endotoxin not more than 5EU/ml. Suitable for many cell culture applications, this serum is comprehensively tested for performance and quality assurance. This premium FBS grade features sterility test, comprehensive biological testing and includes an extensive array of biochemical profile.

	Research Grade, Fetal Bovine Sera	Sure Fetal Bovine Sera
Origin	South American US	South American US Australian New Zealand
Treatment	Sterile Filtered Heat Inactivated	Sterile Filtered Heat Inactivated Gamma Irradiated
Endotoxin	Endotoxin level NMT 10 EU/ml	Endotoxin level NMT 5 EU/ml
Quality Tests	Growth Performance, Plating & Cloning efficiency. Protein profile tested Sterility tested Mycoplasma tested	Growth Performance, Plating & Cloning efficiency. Comprehensive Biochemical tested Sterility tested Mycoplasma tested * 9 CFR Virus testing done on request

### Minibot™ ... Convenience at your doorstep

Cut the time of thawing, aliquoting, labelling and reduce the risk of contamination.

Minibot™ - Individually packed 50ml bottles

**No** Aliquoting  
Waiting for 20 hours for thawing  
Consumables  
Hand-written labels



## Fetal Bovine Sera

Product Category	Treatment	Origin	Product Code	Pack Size	Price
Fetal Bovine Sera, Research Grade	Sterile filtered	South American	RM10432-100ML	100ml	
			RM10432-500ML	500ml	
			<b>Available in Minibot™</b> RM10432-50ML	10x50ml	
		US	RM10434-100ML	100ml	
			RM10434-500ML	500ml	
			<b>Available in Minibot™</b> RM10434-50ML	10x50ml	
	USDA Approved	RM9952-100ML	100ml		
		RM9952-500ML	500ml		
	Sterile Filtered, Heat Inactivated	South American	RM9955-100ML	100ml	
			RM9955-500ML	500ml	
			<b>Available in Minibot™</b> RM9955-50ML	10x50ml	
		US	RM10409-100ML	100ml	
			RM10409-500ML	500ml	
		USDA Approved	RM10681-100ML	100ml	
	RM10681-500ML	500ml			
Sure Fetal Bovine Sera	Sterile filtered	South American	RM10971-500ML	500ml	
			<b>Available in Minibot™</b> RM10971-50ML	10x50ml	
		US	RM10974-500ML	500ml	
			<b>Available in Minibot™</b> RM10974-50ML	10x50ml	
		Australian	RM9951-500ML	500ml	
		New Zealand	RM10969-500ML	500ml	
	Heat Inactivated, Sterile Filtered	South American	RM10972-500ML	500ml	
		US	RM10975-500ML	500ml	
		Australian	RM10679-500ML	500ml	
		New Zealand	RM10977-500ML	500ml	
	Gamma Irradiated, Sterile Filtered	South American	RM1112-100ML	100ml	
			RM1112-500ML	500ml	
			<b>Available in Minibot™</b> RM1112-50ML <span style="color: red; font-weight: bold;">New</span>	50ml	
		US	RM9970-500ML	500ml	
Australian		RM10976-500ML	500ml		
New Zealand		RM10978-500ML	500ml		
Sterile Filtered, Heat Inactivated & Gamma Irradiated	US	RM10951-500ML	500ml		

ACC

## Speciality Fetal Bovine Sera

Product Category	Treatment	Origin	Product Code	Pack Size	Price
Sure Mesenchymal Stem Cell Tested Sera	Sterile filtered	EU Approved	RM10832-500ML	500ml	
		USDA Approved	RM10845-500ML	500ml	
		Australia	RM10846-500ML	500ml	
		US	RM10938-500ML	500ml	
Sure Hybridoma Tested Sera	Sterile filtered	EU Approved	RM10906-500ML	500ml	
		US	RM10946-500ML	500ml	
Charcoal treated	Sterile filtered	-	RM10416-500ML	500ml	
Dialyzed	Sterile filtered	-	RM10685-500ML	500ml	
Sure ES Cell tested	Sterile filtered	-	RM10435-500ML	500ml	
Tetracycline negative	Sterile filtered	-	RM10686-500ML	500ml	
Iron supplemented	Sterile filtered	-	RM10915-500ML	500ml	
	Sterile filtered, Heat Inactivated	-	RM10948-500ML	500ml	
Sure Ultralow IgG	Sterile filtered	New Zealand	RM10984-500ML	500ml	

## New Born Calf Sera

New Born Calf Sera	Sterile filtered	New Zealand	RM10422-500ML	500ml	
			RM10422-1000ML	1000ml	
	Sterile filtered, Heat inactivated	New Zealand	RM10437-500ML	500ml	
			RM10437-1000ML	1000ml	
	Sterile filtered, Gamma irradiated	New Zealand	RM10421-500ML	500ml	
			RM10421-1000ML	1000ml	
	Sterile filtered, Iron supplemented	New Zealand	RM10945-500ML	500ml	
			RM10945-1000ML	1000ml	
	Sterile filtered	New Zealand	RM10936-500ML	500ml	
			RM10936-1000ML	1000ml	

## Adult Bovine Sera

Adult Bovine Sera	Sterile filtered	-	RM9981-500ML	500ml	
	Sterile filtered, Heat Inactivated	-	RM10913-500ML	500ml	

## Human Sera

Human Sera	Type AB, Pooled Sterile filtered	-	RM10986-100ML	100ml	
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## Other Animal Sera

Product Category	Treatment	Origin	Product Code	Pack Size	Price
Horse Serum	Sterile filtered	-	RM10436-100ML	100ml	
			RM10436-500ML	500ml	
	Sterile filtered, Heat Inactivated	-	RM10674-100ML	100ml	
			RM10674-500ML	500ml	
	Sterile filtered, Gamma Irradiated	-	RM1239-100ML	100ml	
Pig Serum	Sterile filtered	-	RM10415-100ML	100ml	
			RM10415-500ML	500ml	
Rabbit Serum	Sterile filtered	-	RM10433-500ML	500ml	
Sheep Serum	Sterile filtered	-	RM10700-500ML	500ml	
Goat Serum	Sterile filtered	-	RM10701-500ML	500ml	
Chicken Serum	Sterile filtered	-	RM10831-100ML	100ml	
			RM10831-500ML	500ml	
Rat Serum	Sterile filtered	-	RM10841-10ML	10ml	
Mouse Serum	Sterile filtered	-	RM10842-10ML	10ml	
			RM10842-100ML	100ml	

## Serum Origin & Significance

Serum is a very complex product and greatly impact the quality and reproducibility of cell culture work. Fetal Bovine Sera (FBS) of different origin are available in the market. Serum origin refers to the country in which the raw blood is collected. It should not be mistaken with the country in which blood is processed.

The World Organization For Animal Health (OIE) evaluates the Geographical BSE Risk. The GBR assessment evaluates the likelihood that an animal within a country or a zone of the country is infected with BSE. For many years US was in the moderate risk category whereas United Kingdom in the highest risk category. The most recent standings of OIE indicates that countries like US, Brazil fall under negligible BSE risk just like Australia and New Zealand whereas zones of UK – England and Wales fall under controlled BSE risk.

### New Zealand & Australian Sera

Australian Origin Sera is sourced from Australian abattoirs approved by the U.S. Department of Agriculture (USDA) or Australian Quarantine and Inspection Service (AQIS). Australia is an isolated continent, thus making animal disease and control management easier than in most areas of the world. Their methods of animal husbandry exhibit excellent animal nutrition and healthcare. As a result, Australia is recognized by the United States Department of Agriculture as being free of Foot and

Mouth Disease (FMD), Rinderpest, Swine Vesicular Disease (SVD) and Bovine Spongiform Encephalopathy (BSE).

BSE Risk Status	Countries
Negligible BSE risk	Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, Chile, Colombia, Costa Rica, Denmark, Germany, India, Israel, Italy, Japan, Korea, Mexico, New Zealand, Nicaragua, Panama, Paraguay, Peru, Poland, Portugal, Singapore, Spain, Sweden, Switzerland, Netherlands, United States of America, Uruguay
Controlled BSE risk	Canada, Chinese Taipei, France, Greece, Ireland
Zone with Negligible BSE risk	People's Republic of China with exclusion of Hong Kong and Macau, Northern Ireland and Scotland
Zone with Controlled BSE risk	England and Wales

## Quality Tested & Assured

### Physicochemical Testing

- pH
- Osmolality
- Hemoglobin content
- Protein Profile
  - ♦ Total protein
  - ♦ Albumin
  - ♦ Alpha-globulin
  - ♦ Beta-globulin
  - ♦ Gamma-globulin
  - ♦ IgG

### Endotoxin Testing

One of the vital criteria for selecting right serum for cell culture is the endotoxin content. It is present naturally in all types of sera. Endotoxin content in each lot of serum is estimated using LAL test.

### Sterility Testing

All sera are tested for contamination with aerobic bacteria, anaerobic bacteria, fungi as per USP specifications. Mycoplasma contamination is detected by PCR.

- Aerobic bacteria
- Anaerobic bacteria
- Fungi
- Mycoplasma
  - ♦ Direct testing (Culture method)
  - ♦ Indirect testing (Hoechst 33258 staining)
  - ♦ Detection by PCR (16s-23s rRNA spacer region)
  - ♦ Detection by PCR (16s rRNA sequence)
- Virus Testing
  - ♦ Bovine Virus Diarrhea Virus (BVD-V)
  - ♦ Bovine Herpes Virus (BHV-1)
  - ♦ Parainfluenza Type 3 (PI-3)

### Biochemical Testing

Biochemical are designed to check the efficacy of the FBS in promoting cell growth.

- Bilirubin
- Creatinine
- Sodium
- Phosphorus
- Enzymes
  - ♦ Serum glutamic pyruvic transaminase (SGPT)
  - ♦ Serum glutamic oxaloacetate transaminase (SGOT)
  - ♦ Alkaline phosphatase
  - ♦ Lactate dehydrogenase (LDH)
  - ♦ Gamma glutamyl transpeptidase
- Lipids
  - ♦ Cholesterol
  - ♦ Triglycerides
- Potassium
- Calcium
- Iron
- Urea
- Uric acid
- Chloride
- Glucose

## Biological Performance

Functional assays are performed to evaluate biological performance of every lot of serum.

### Plating Efficiency

Plating efficiency is a highly sensitive culture test for determining minor deficiencies and low concentrations of toxins in serum. It is an indicator of the robustness of serum. Murine fibroblast cells L929 are plated in microtiter plates (10 cells per well). Absolute and relative plating efficiency is evaluated after 7 - 14 days.

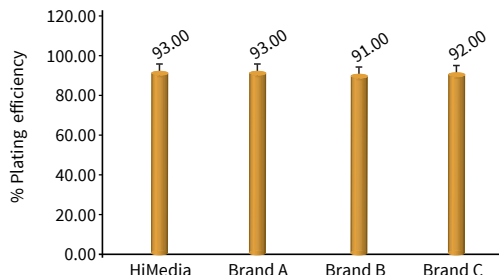


Fig 1 : Mouse NCTC clone L929 cells were grown in medium containing HiMedia's 10% FBS and FBS from other brands. Absolute plating efficiency was compared after 196hours.

### Cloning Efficiency

Limited dilution cloning is the most commonly used method for cloning and selection of Hybridoma clones. This method involves seeding of cells at a very low cell density and clonal expansion of single cell to generate clones of itself. This method ensures that the cells of Hybridoma clone will originate from one cell and the produced antibody is monoclonal.

One of the major factor affecting clonal expansion is serum. Cloning efficiency of serum indicates ability to support the growth of myeloma or Hybridoma cells at very low cell densities. Mouse myeloma cell line Sp2/0-AG14 is seeded at a very low cell density in microtiter plates and ability of serum to generate colonies from single cells is determined in terms of absolute and relative cloning efficiency.

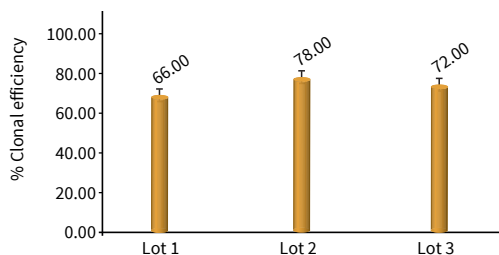


Fig 2 : Consistency in the cloning efficiency of different FBS lots was determined using Mouse Hybridoma cell line Sp2/0-Ag14

### Growth Performance Test

Growth promotion capacity of serum is tested by repeated sub culturing of human diploid fastidious cell in WI38.

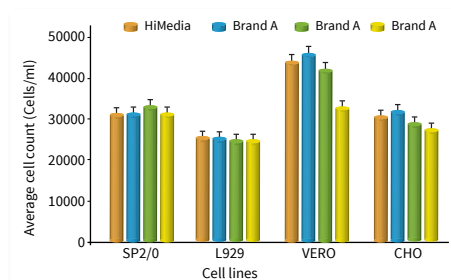


Fig 3 : Growth performance of Research Grade FBS (RM10432) on multiple cell lines - Sp2/0, L929, VERO and CHO cells were grown in media supplemented with HiMedia (RM10432) and competitor FBS. Performance was evaluated with respect to cell density after 72 hours.

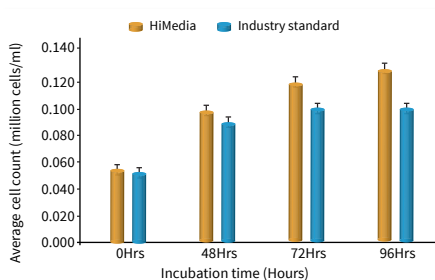


Fig 4 : Growth response of MRC-5 cells in RM10432 - MRC-5 cells were seeded in media supplemented with 10% RM10432 and Industry standard FBS. Cell count was taken at each time point and growth performance was evaluated.

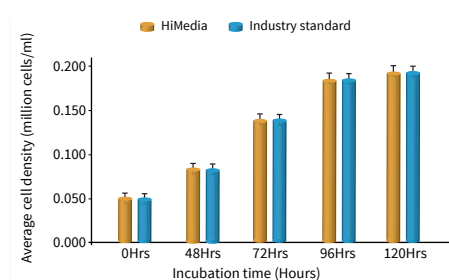


Fig 5 : Growth response of Mesenchymal stem cell (DPSC) in RM10832 - DPSCs were seeded in a medium containing 10% mesenchymal stem cell tested FBS of HiMedia and compared with Industry standard FBS of other brand. Growth performance of both sera was found to be equivalent upto 120 hours.



## Mesenchymal Stem Cell Tested Sera

Mesenchymal stem cells (MSC) are undifferentiated cells that have ability to differentiate into multiple lineages. A major challenge in culturing MSC is the difficulty to maintain them in undifferentiated state while avoiding their differentiation into unwanted lineage. Serum contains many unknown factors, nutrients and molecules in variable concentration that may lead to unwanted differentiation of stem cells.

MSC qualified sera are suitable for culturing MSC. Prescreening saves time and money by eliminating the need to test multiple serum lots to identify the suitable one for MSC culture. They are prescreened for

### Clonal efficiency

Ability to form colonies in culture

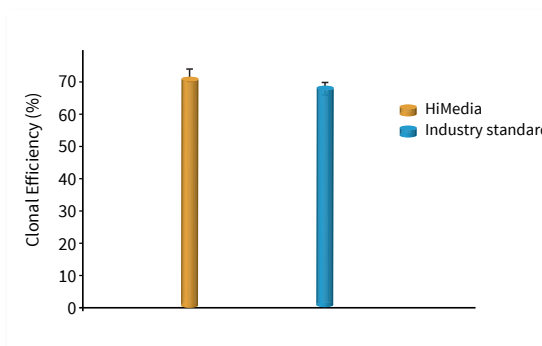


Fig 6 : Comparative performance of MSC tested FBS on clonal efficiency of mesenchymal stem cells

### Expansion

Ability to proliferate and generate high cell densities without getting differentiated

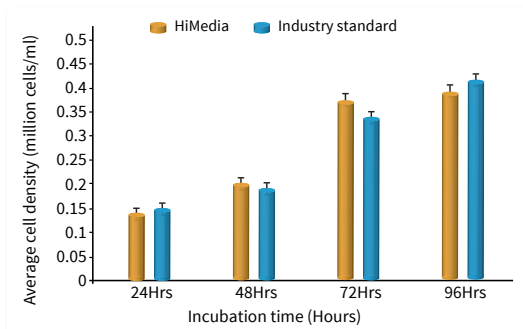
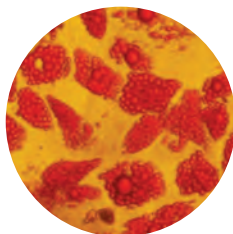


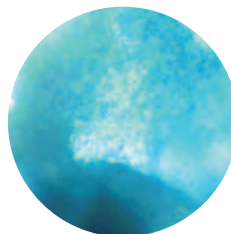
Fig 7 : Comparative performance of MSC tested FBS on expansion of Adipose derived MSC's

### Differentiation potential

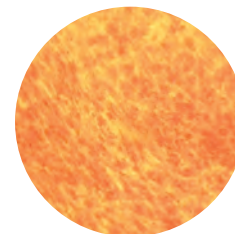
Ability to support adipogenic, osteogenic and chondrogenic differentiation under appropriate culture conditions



Adipogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



Chondrogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



Osteogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



HiMedia provides a wide array of stem cells and primary cells having high quality, functionality and purity with the intention of fostering advanced research in the field of cell biology, oncology, immunology etc.

## STEM CELLS & PRIMARY CELL

Product	Prefix	Page
<b>Mesenchymal Stem Cell Platform</b>		
<b>STEMin1™</b>		
Serum free, Xeno free System for Human MSCs	AL	427-428
Cells	CL	429
Cell Culture Kits	CCK	429
Expansion Media	AL	429
MSC qualified Sera	RM	430
Differentiation Media	AL	430
Differentiation Kits	CCK	430
Freezing Medium	TCL	430
Staining Kits	CCK	431
<b>Keratinocyte Platform</b>		
Cells	CL	432
Expansion Medium	AL	432
<b>Fibroblast Platform</b>		
Cells	CL	433
Expansion Medium	AL	433
Culture Kit	CCK	433
<b>Melanocyte Platform</b>		
Cells	CL	434
Isolation Kit	CCK	434
Expansion Medium	AL	434

Product	Prefix	Page
<b>Endothelial Cell Platform</b>		
Pre-screened HUVEC	CL	435
Angiogenesis Kit	CCK	435
HUVEC-VEGF Platform	CL/AL/TCL/ CCK	436
HUVEC-Non-VEGF Platform	CL/AL/TCL/ CCK	436
HUAEC	CL	437
Expansion Media and Reagents	AL	437
<b>Mammary Epithelial Cell Platform</b>		
Cells	CL	437
Expansion Medium	AL	437
<b>Peripheral Blood Cell Platform</b>		
<b>smarT™</b>		
T cell Expansion Medium	AL	438-439
Cells	CL	440-442
<b>Primary Cryopreserved Hepatocytes</b>		
<b>Cytokines and Growth Factors</b>		
	CF	446-450
<b>Attachment Factors</b>		
	CF	450-451

## Stem Cells and Primary Cells

HiMedia offers a comprehensive array of Stem Cells and Primary Cells which have distinct advantage of being representatives of **Indian genetic pool, ethically approved, affordable**. We supply cells after stringent Quality Control and Performance Testing, thereby, assuring the purity and performance of cells. To ensure that viability of cells is not compromised during transport, we transport the cryopreserved cells in **dry vapor shipper** and **liquid nitrogen**.

**Stem Cells** : HiMedia provides HiFi™ Mesenchymal Stem Cells isolated from four sources - Wharton's Jelly, Adipose Tissue, Dental Pulp and Bone Marrow. For successful culture of these cells, we offer specialized media in form of classical, reduced serum, serum-free and xeno-free formulations. Along with that we provide HiDiff™ Differentiation Media for differentiation of stem cells into specific lineages and their corresponding lineage specific EZstain™ Staining Kits.

**Primary Cells** : Primary Cells are ideal systems for variety of applications such as drug discovery and drug development, high throughput screening assays,

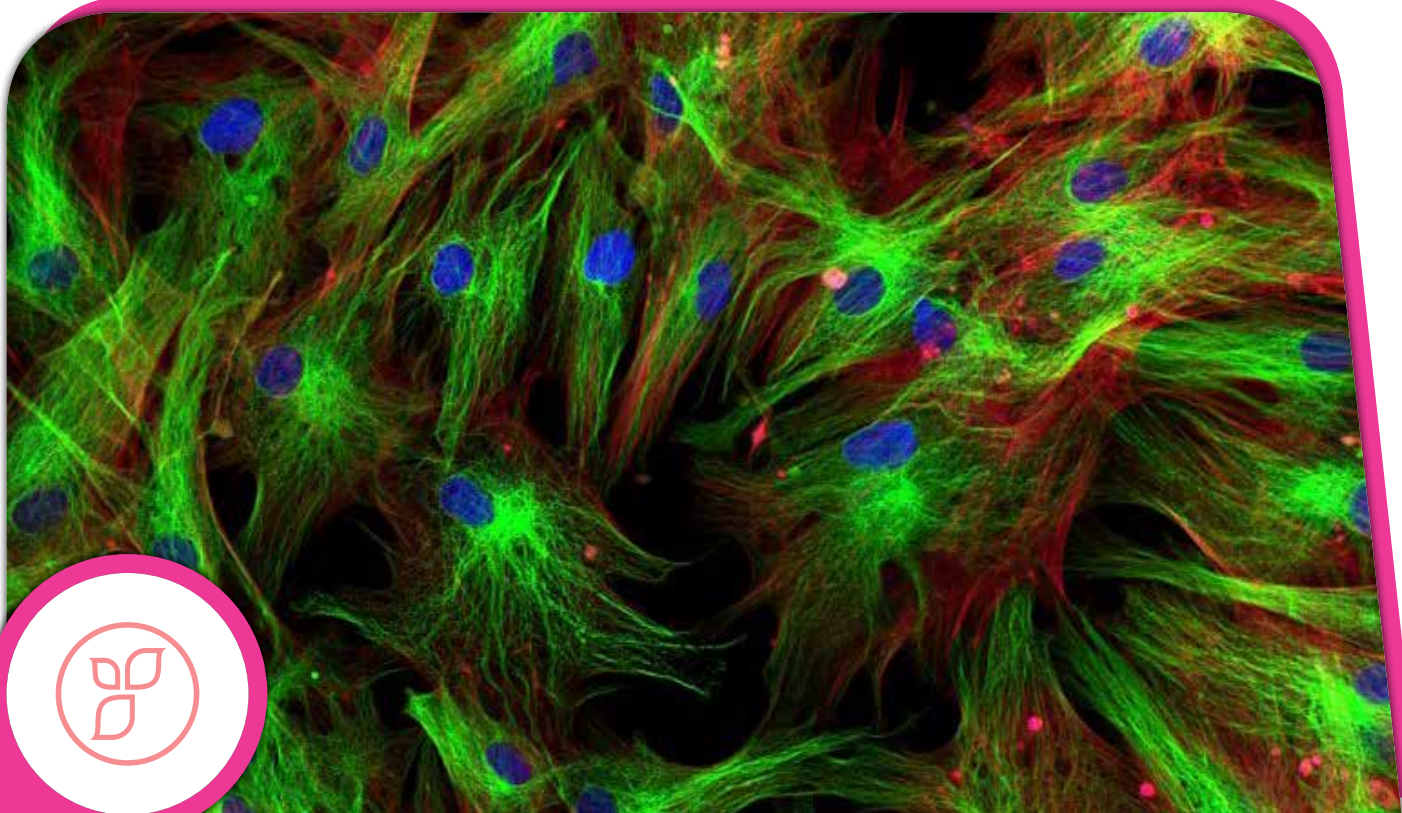
development of therapeutics for pharma, biopharma and academic research. The Primary Cells retain *in vivo* properties of tissue more closely as compared to continuous secondary cell lines. We have a broad portfolio of human Primary Cells which includes Endothelial Cells (umbilical vein and artery), Fibroblast Cells, Keratinocytes and Melanocytes, Peripheral Blood Mononuclear Cells (PBMCs) and Mammary Epithelial Cells. HiMedia is also offering subtypes of PBMCs which includes T Cells (CD3+, CD4+ and CD8+), NK Cells, Dendritic Cells and Monocytes. Prescreened Human Umbilical Cord Endothelial Cells (HUVEC) for VEGF response are also available to study angiogenesis and tube formation assay.

Primary Cell Platform is further extended to Cryopreserved Primary Hepatocytes from human as well as animal source.

We offer both fresh as well as Cryopreserved Primary Cells and required cell density which can be customized as per user request.

**For more info :**

atc@himedialabs.com | [www.himedialabs.com](http://www.himedialabs.com)



# STEMin1™



A Complete, Defined, Serum free (SF), Xeno-free (XF) system for in vitro culture of human mesenchymal stem cells

Manufactured in GMP, ISO 13485 and ISO 9001 certified facility

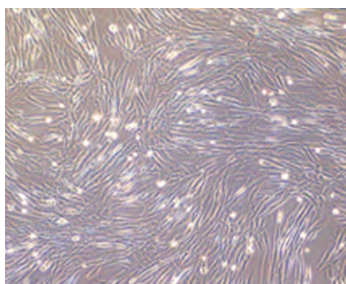
Defined medium – enhances reproducibility  
Retains stemness markers and assures purity

Superior cell expansion capacity and faster growth

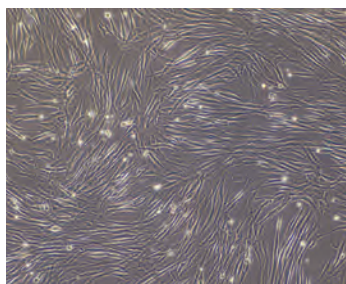
Maintains trilineage differentiation potential through long term passaging

ACC

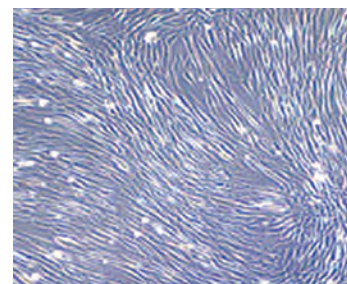
STEMin1™ MSC-SFM maintains MSCs in their spindle shaped, fibroblast like morphology post-isolation as well as during serial subculturing.



STEMin1™

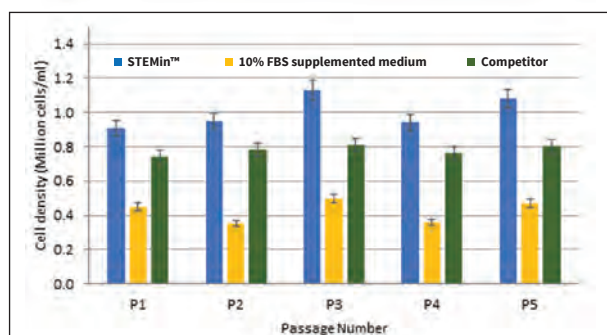


10% FBS supplemented medium

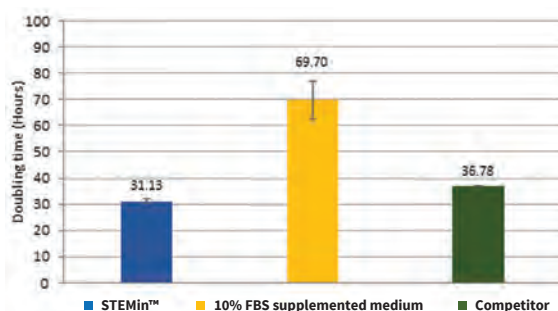


Competitor MSC-SFM

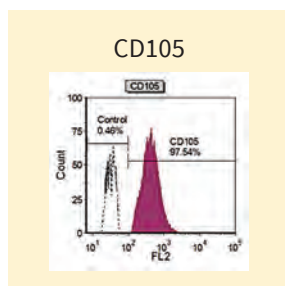
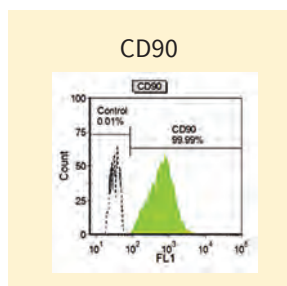
Supports high cell densities



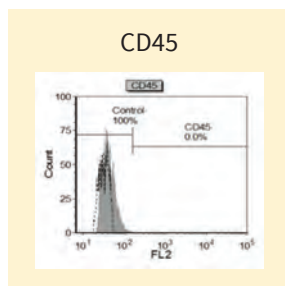
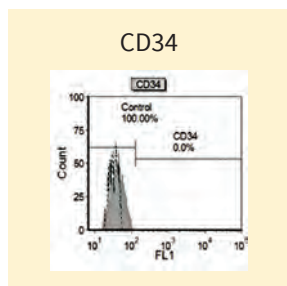
Faster growth and less doubling time



Positive markers > 95%



Negative markers < 5%



Product

Code

Packing

Price in ₹

### Expansion

<b>STEMin1™</b>	<b>New</b>	<b>AL520-500ML</b>	<b>500ml</b>
A Defined, Serum-free, Xeno-free medium for expansion of human stem cells w/L-Glutamine and Sodium bicarbonate Part A: Basal medium *Part B: Growth Supplement (Store at -20°C)			

### Attachment

<b>STEMin1™ Xeno-free Attachment Solution</b>	<b>New</b>	<b>TCL206-10ML</b>	<b>10ml</b>
Suitable for xeno-free culture of stem cells (Store at -20°C)			

### Recombinant Dissociation

<b>STEMin1™ Xeno-free, Recombinant Dissociation Solution</b>	<b>New</b>	<b>TCL208-100ML</b>	<b>100ml</b>
Suitable for xeno-free culture of stem cells (Store at -20°C)			

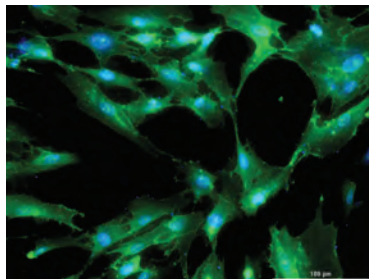
<b>STEMin1™ Xeno-free Neutralizer</b>	<b>New</b>	<b>TCL209-100ML</b>	<b>100ml</b>
Suitable for xeno-free culture of stem cells			

### Cryopreservation

<b>FREEZin™</b>	<b>New</b>	<b>TCL098-50ML</b>	<b>50ml</b>
w/ DMSO w/o Antibiotics, Antimycotics and Phenol red Sterile filtered (Store at -20°C)			

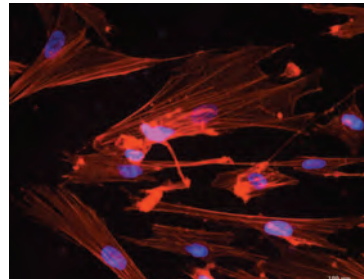
# Mesenchymal Stem Cell (MSC) Platform

HiFi™ cells are performance tested using HiMedia media and reagents. We recommend using the product codes mentioned in individual product datasheets for optimum performance and reliability. Users must ensure proper handling, storage and use of the product. HiMedia is not liable for any damage to the culture arising from improper storage or mishandling. We DO NOT guarantee the performance of cells if any modifications are made to the mentioned protocols.



- Post-thaw viability > 80%.
- Characterized by marker expression of CD90<sup>+</sup>, CD105<sup>+</sup>, CD34<sup>-</sup>, CD45<sup>-</sup> using FACS and immunocytochemistry of CD90<sup>+</sup>
- Ability of adipogenic, osteogenic and chondrogenic differentiation
- Sterility tested

HWJ-MSC immunostained with CD90-FITC antibody (10X)



- Expansion and Differentiation media with
- Consistent performance
  - High expansion capacity
  - Efficient differentiation capacity
  - Ability to retain Stem cell markers

HWJ-MSC immunostained with alpha-Actin-PE antibody 20X

Product	Code	Packing	Price in ₹
<b>Cells</b>			
<b>HiFi™ Bone Marrow Mesenchymal Stem Cells (HBM-MSCs)</b> <span style="color: red;">New</span>	<b>CL029-1.0</b>	<b>1.0million cells/vial</b>	
<b>HiFi™ Human Wharton's Jelly Mesenchymal Stem Cells (HWJ-MSC)</b> Isolated from Wharton's Jelly of human umbilical cords <span style="color: red;">Optimized for use with AL512 and AL519</span>	<b>CL001-0.5</b>	<b>0.5 million cells/vial</b>	
	<b>CL001-2X0.5</b>	<b>2x0.5 million cells/vial</b>	
	<b>CL001-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
	<b>CL001-2XT25</b>	<b>2 T25 cm<sup>2</sup> flasks</b>	
A confluent T25 flask yields approximately 1.5 - 2X10 <sup>6</sup> cells			
<b>HiFi™ Human Adipose Derived Mesenchymal Stem Cells (HAD-MSC)</b> Isolated from human lipoaspirate <span style="color: red;">Optimized for use with AL512 and AL519</span>	<b>CL007-0.5</b>	<b>0.5 million cells/vial</b>	
	<b>CL007-2X0.5</b>	<b>2x0.5 million cells/vial</b>	
	<b>CL007-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
	<b>CL007-2XT25</b>	<b>2 T25 cm<sup>2</sup> flasks</b>	
A confluent T25 flask yields approximately 1.5 - 2X10 <sup>6</sup> cells			
<b>HiFi™ Human Dental Pulp Stem Cells (HDP-SC)</b> Isolated from human dental pulp DPSCs display similar features to bone marrow derived stem cells. <span style="color: red;">Optimized for use with AL512 and AL519</span>	<b>CL008-0.5</b>	<b>0.5 million cells/vial</b>	
	<b>CL008-2X0.5</b>	<b>2x0.5 million cells/vial</b>	
	<b>CL008-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
	<b>CL008-2XT25</b>	<b>2 T25 cm<sup>2</sup> flasks</b>	
A confluent T25 flask yields approximately 1.5 - 2X10 <sup>6</sup> cells			

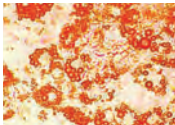
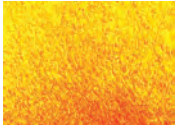
Product	Code	Packing	Price in ₹
<b>Cell Culture Kits</b>			
<b>EZXpand™ Human Adipose-derived Mesenchymal Stem Cell Culture Kit</b>	<b>CCK024-0.5</b>	<b>0.5 million cells/vial</b>	
Part A: HiFi™ Human Adipose Derived Mesenchymal Stem Cells (HAD-MSC)	<b>CCK024-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
Part B: HiMesoXL™ Mesenchymal Stem Cell Expansion Medium			
Part C: Antibiotic-Antimycotic Solution 1000X <span style="color: red;">(Store Part C at -20°C)</span>			
<b>EZXpand™ Human Wharton's Jelly derived Mesenchymal Stem Cell Culture Kit</b>	<b>CCK025-0.5</b>	<b>0.5 million cells/vial</b>	
Part A: HiFi™ Human Wharton's Jelly Derived Mesenchymal Stem Cells (HWJ-MSC)	<b>CCK025-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
Part B: HiMesoXL™ Mesenchymal Stem Cell Expansion Medium			
Part C: Antibiotic-Antimycotic Solution 1000X <span style="color: red;">(Store Part C at -20°C)</span>			

<b>Expansion Media</b>		
<b>HiMesoXL™ Mesenchymal Stem Cell Expansion Medium</b> w/ L-Glutamine and Sodium bicarbonate Classical medium for expansion of human mesenchymal stem cells isolated from Wharton's jelly, adipose tissue and dental pulp. Requires supplementation with 10% fetal bovine serum.	<b>AL512-100ML</b>	<b>100ml</b>
	<b>AL512-500ML</b>	<b>500ml</b>
<b>HiMesoXL™ Mesenchymal Stem Cell Expansion Medium, Reduced Serum</b> w/ L-Glutamine and Sodium bicarbonate A reduced serum medium for expansion of human mesenchymal stem cells. Part A: HiMesoXL™ Mesenchymal Stem Cell Expansion Medium, Basal Part B: HiMesoXL™ Mesenchymal Stem Cell Growth Supplement <span style="color: red;">(Store at -20°C)</span>	<b>AL519-500ML</b>	<b>500ml</b>

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

## Stem Cells & Primary Cells

Product	Code	Packing	Price in ₹
<b>HiPer® Dulbecco's Modified Eagle Medium, High Glucose</b> w/ 4.5gms Glucose per litre, L-Glutamine, Sodium pyruvate and Sodium bicarbonate	AL250A-500ML	500ml 2X500ml 6X500ml 20X500ml	
<b>HiPer® Dulbecco's Modified Eagle Medium, High Glucose</b> w/ 4.5gms Glucose per litre, Sodium pyruvate and Sodium bicarbonate w/o L-Glutamine	AL250-500ML	500ml 2x500ml 6x500ml 20x500ml	
<b>MSC Qualified Sera</b>			
<b>Fetal Bovine Serum</b> EU Approved, ES Cell tested Sterile filtered (Store at -20°C)	RM10435-500ML	500ml	
<b>Fetal Bovine Serum</b> Mesenchymal Stem Cell Tested EU Approved, Sterile filtered (Store at -20°C)	RM10832-500ML	500ml	
<b>Fetal Bovine Serum</b> Mesenchymal Stem Cell Tested USDA Approved, Sterile filtered (Store at -20°C)	RM10845-500ML	500ml	
<b>Fetal Bovine Serum</b> Mesenchymal Stem Cell Tested Australia origin, Sterile filtered (Store at -20°C)	RM10846-500ML	500ml	
<b>Fetal Bovine Serum</b> Mesenchymal Stem Cell Tested US origin, Sterile filtered (Store at -20°C)	RM10938-500ML	500ml	
<b>Differentiation Media</b>			
<b>HiAdipoXL™ Adipocyte Differentiation Medium</b> w/ L-Glutamine and Sodium bicarbonate For differentiation of human MSCs into adipocytes (fat cells) Contains: Part A: HiAdipoXL™ Adipocyte Differentiation Medium, Basal Part B: HiAdipoXL™ Adipocyte Differentiation Supplement (Store at -20°C)	AL521-100ML	100ml	
<b>HiOsteoXL™ Osteocyte Differentiation Medium</b> w/ L-Glutamine and Sodium bicarbonate For differentiation of human MSCs into osteocytes (bone cells) Part A: HiOsteoXL™ Osteocyte Differentiation Medium, Basal Part B: HiOsteoXL™ Osteocyte Differentiation Supplement (Store at -20°C)	AL522-100ML	100ml	
<b>HiChondroXL™ Chondrocyte Differentiation Medium</b> w/ L-Glutamine and Sodium bicarbonate For differentiation of human MSCs into chondrocytes (cartilage cells) Part A: HiChondroXL™ Chondrocyte Differentiation Medium, Basal Part B: HiChondroXL™ Chondrocyte Differentiation Supplement (Store at -20°C)	AL523-100ML	100ml	

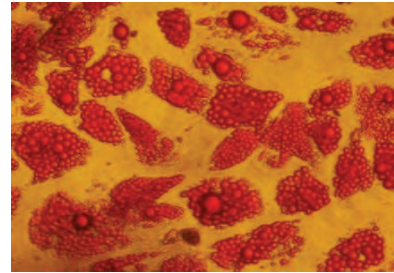
Product	Code	Packing	Price in ₹
<b>Differentiation Supplements</b>			
<b>HiAdipoXL™ Adipocyte Differentiation Supplement</b> For differentiation of human MSCs into adipocytes (fat cells) (Store at -20°C)	TCL167-1NO	1 no for 100ml of basal medium	
<b>HiOsteoXL™ Osteocyte Differentiation Supplement</b> For differentiation of human MSCs into osteocytes (bone cells) (Store at -20°C)	TCL168-1NO	1 no for 100ml of basal medium	
<b>HiChondroXL™ Chondrocyte Differentiation Supplement</b> For differentiation of human MSCs into chondrocytes (cartilage cells) (Store at -20°C)	TCL169-1NO	1 no for 100ml of basal medium	
<b>Differentiation Media for preadipocytes</b>			
<b>HiAdipoXL™ Adipogenic Differentiation Medium for 3T3-L1 cells</b> Part A: Basal Medium Part B: Adipogenic differentiation supplement 1 (Store at -20°C) Part C: Adipogenic differentiation supplement 2 (Store at -20°C)	AL537-100ML	100ml	
<b>Differentiation Kits</b>			
<b>HiDiff™ Adipogenesis Assay Kit</b> Ready-to-use kit for differentiation of preadipocytes (3T3-L1) into adipocytes and staining of the differentiated adipocytes  Lipid droplets in 3T3-L1 cells differentiated into adipocytes stained red in colour by Oil Red O (40X)	CCK011-100NO	Kit for 100 tests	
<b>HiDiff™ Osteogenesis Assay Kit</b> Ready-to-use kit for differentiation of preosteocytes (MC3T3-E1) into osteocytes and staining of the differentiated osteocytes  Calcium deposits in MC3T3-E1 cells differentiated into osteocytes stained red in colour by Alizarin Red S (20X)	CCK049-100NO	Kit for 100 tests	
<b>Freezing Medium</b>			
<b>CryoXL™ Stem Cell Freezing Medium</b> w/ FBS and DMSO w/o Antibiotics Sterile filtered (Store at -20°C)	TCL107-50ML	50ml	

Launching soon

**CD34+ Hematopoietic Stem Cells**

430 All the above products to be stored at 2- 8°C unless indicated  
Cells supplied are strictly for research use only. Not for therapeutic use  
Store kit contents as per storage temperatures indicated on individual components  
Serum lot reservation available. Enquire for more information

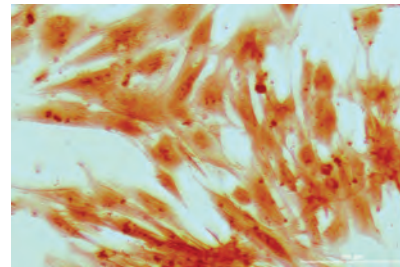
Product	Code	Packing	Price in ₹
<b>Staining Kits</b>			
<b>EZstain™ Adipocyte Staining Kit</b> EZstain™ Adipocyte Staining Kit is a ready-to-use kit for staining and quantitation of adipocytes by Oil Red O. Kit Contents: Part A: Washing solution Part B: Fixing solution Part C: Permeabilization Solution Part D: Oil-Red-O staining solution Store at 15-30°C	CCK013-1KT	1 kit	
<b>EZstain™ Chondrocyte Staining Kit</b> EZstain™ Chondrocyte Staining Kit is a ready-to-use kit developed for detection of chondrocytes by staining the proteoglycan produced by them with Alcian blue. Kit Contents: Part A: Washing solution Part B: Fixing solution Part C: Staining Solution Store at 15-30°C	CCK029-1KT	1 kit	
<b>EZstain™ Osteocyte Staining Kit</b> EZstain™ Osteocyte Staining Kit is a ready-to-use kit developed for visualization of osteocytes in cultured cells or tissue sections. Kit Contents: Part A: Washing solution Part B: Fixing solution Part C: Staining Solution Store at 15-30°C	CCK030-1KT	1 kit	
<b>EZstain™ Alkaline Phosphatase Staining Kit</b> <span style="color: red;">New</span> EZstain™ Alkaline Phosphatase staining kit is ready to use kit developed for visualization of osteocyte based on their Alkaline Phosphatase activity Kit Contents: Part A: Washing solution Part B: Washing buffer Part C: Fixing solution Part D: Substrate Store at 15-30°C	CCK077-1KT	1kit	



HWJ-MSC (CL001) grown in HiMesoXL™ Mesenchymal Stem Cell Expansion Medium (AL512) and differentiated into adipocytes using HiAdipoXL™ Adipocyte Differentiation Medium (AL521) and stained with EZstain™ Adipocyte Staining Kit (CCK013).



HWJ-MSC (CL001) grown in HiMesoXL™ Mesenchymal Stem Cell Expansion Medium (AL512) and differentiated into chondrocytes using HiChondroXL™ Chondrocyte Differentiation Medium (AL523) and stained with EZstain™ Chondrocyte Staining Kit (CCK029).



HWJ-MSC (CL001) grown in HiMesoXL™ Mesenchymal Stem Cell Expansion Medium (AL512) and differentiated into osteocytes using HiOsteoXL™ Osteocyte Differentiation Medium (AL522) and stained with EZstain™ Osteocyte Staining Kit (CCK030).

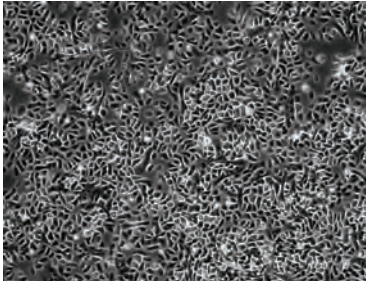
Culture vessel	No. of tests performed using 1 kit
96-well plate	260
48-well plate	130
24-well plate	60
12-well plate	40
6-well plate	20

Applicable to EZstain™ Adipocyte and EZstain™ Osteocyte Staining Kit

ACC

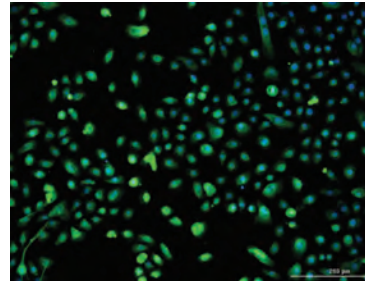


# Keratinocyte Platform



Phase contrast microscopy of HAEC (10X)

- Post-thaw viability > 80%.
- Characterized by marker expression of Cytokeratin 5 by immunocytochemistry
- Sterility tested



HAEC immuno stained with cytokeratin 5-FITC (10X)

- Ideal *in vitro* models to study
- Wound healing mechanisms
  - Skin oncology drug trials

Product	Code	Packing	Price in ₹
<b>Cells</b>			
<b>HiFi™ Human Adult Epidermal Keratinocytes (HAEC)</b> Isolated from adult human skin Optimized for use with AL524	CL006-0.5	0.5 million cells/vial	
	CL006-2X0.5	2x 0.5 million cells/vial	
	CL006-T25	1 T25 cm <sup>2</sup> flask	
	CL006-2XT25	2 T25 cm <sup>2</sup> flasks	
A confluent T25 flask yields approximately 1 - 1.5 X 10 <sup>6</sup> cells			
<b>HiFi™ Human Epidermal Keratinocytes from Juvenile Foreskin</b> Isolated from human juvenile foreskin Optimized for use with AL524	CL009-0.5	0.5 million cells/vial	
	CL009-2X0.5	2x 0.5 million cells/vial	
	CL009-T25	1 T25 cm <sup>2</sup> flask	
	CL009-2XT25	2 T25 cm <sup>2</sup> flasks	
A confluent T25 flask yields approximately 1 - 1.5 X 10 <sup>6</sup> cells			
<b>Expansion Medium</b>			
<b>HiKeratioXL™ Keratinocyte Expansion Medium, Serum Free</b> w/L-Glutamine and Sodium bicarbonate Part A: HiKeratioXL™ Keratinocyte Expansion Medium, Basal Part B: HiKeratioXL™ Keratinocyte Growth Supplement (Store at -20°C) Part C : Bovine Pituitary Extract (Store at -20°C)	AL524-500ML	500ml	

**Your Preferred Choice of Media**

HiKeratioXL™ Keratinocyte Expansion Medium (AL524)

- Serum-free formulation
- Enables feeder-free culture
- Increases culture longevity
- Preserves cell morphology
- Improves viability
- Stringent quality control ensures optimum performance

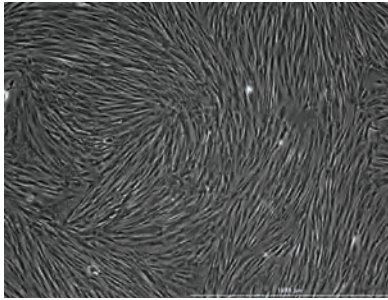


HiKeratioXL™ Keratinocyte Expansion Medium, Serum Free - AL524

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

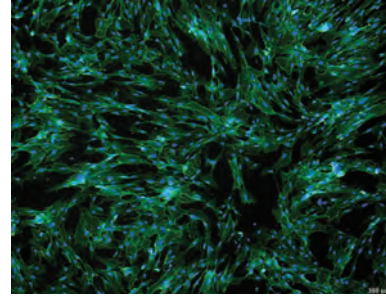
432 All the above products to be stored at 2- 8°C unless indicated  
 Cells supplied are strictly for research use only. Not for therapeutic use  
 Store kit contents as per storage temperatures indicated on individual components

# Fibroblast Platform



Phase contrast microscopy of HADF (10X)

- Post-thaw viability > 80%
- Characterized by marker expression of CD90+ using FACS and immunocytochemistry
- Sterility tested



HADF immuno stained with CD90-FITC (10X)

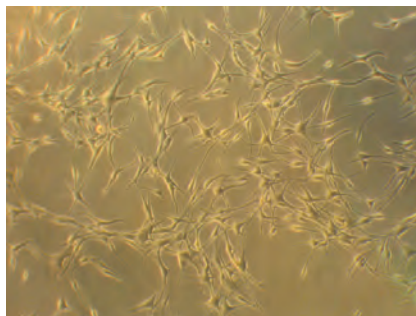
- Ideal as feeder layer for embryonic stem cells
- Cellular models to study cell signaling pathways and skin diseases

Product	Code	Packing	Price in ₹
<b>Cells</b>			
<b>HiFi™ Human Adult Dermal Fibroblasts (HADF)</b> Isolated from adult human skin. Optimized for use with AL525	CL005-0.5	0.5 million cells/vial	
	CL005-2X0.5	2x 0.5 million cells/vial	
	CL005-T25	1 T25 cm <sup>2</sup> flask	
	CL005-2XT25	2 T25 cm <sup>2</sup> flasks	
A confluent T25 flask yields approximately 1.5 - 2.0 X 10 <sup>6</sup> cells			
<b>HiFi™ Human Dermal Fibroblasts from Juvenile Foreskin</b> Isolated from juvenile foreskin. Optimized for use with AL525	CL011-0.5	0.5 million cells/vial	
	CL011-2X0.5	2x 0.5 million cells/vial	
	CL011-T25	1 T25 cm <sup>2</sup> flask	
	CL011-2XT25	2 T25 cm <sup>2</sup> flasks	
A confluent T25 flask yields approximately 1.5 - 2.0 X 10 <sup>6</sup> cells			

Product	Code	Packing	Price in ₹
<b>Expansion Media</b>			
<b>HiFibroXL™ Fibroblast Expansion Medium, Reduced Serum</b> w/L-Glutamine and Sodium bicarbonate A reduced serum medium for expansion of human adult and juvenile dermal fibroblasts Part A : HiFibroXL™ Fibroblast Expansion Medium, Basal (Store at -20°C) Part B : HiFibroXL™ Fibroblast Growth Supplement (Store at -20°C)	AL525-500ML	500ml	
<b>Culture Kit</b>			
<b>EZXpand™ Human Adult Dermal Fibroblast Culture Kit</b> Part A: HiFi™ Human Dermal Fibroblasts (HADF) Part B: HiFibroXL™ Fibroblast Expansion Medium, Basal Part C: HiFibroXL™ Fibroblast Growth Supplement (Store at -20°C) Part D: Gentamicin-Amphotericin Solution 1000X (Store at -20°C)	CCK027-0.5	0.5 million cells/vial	
	CCK027-T25	1 T25 cm <sup>2</sup> flask	

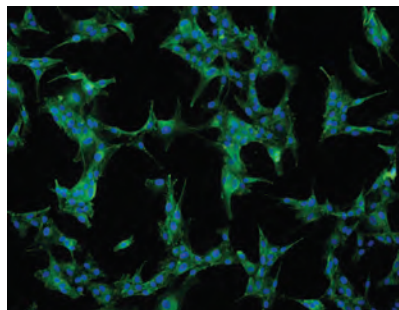
- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- Only cryopreserved vials will be supplied for locations with more than 72 hours transit time. Please enquire before placing an order
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

# Melanocyte Platform



Phase contrast microscopy of HAEM (10X)

- Post-thaw viability > 80%
- Characterized by marker expression of Mel 5 by immunocytochemistry
- Sterility tested



HAEM immuno stained with MEL 5-FITC (10X)

- Ideal in vitro model to study
- Pigmentation disorders.
  - Hair growth disorders

Product	Code	Packing	Price in ₹
<b>Cells</b>			
<b>HiFi™ Human Adult Epidermal Melanocytes (HAEM)</b> Isolated from adult human skin. Melanocytes are used as models for melanoma research and in dermatology and pigmentation studies. They are also used in cosmetic research for testing and screening of skin compounds. Optimized for use with AL528	CL015-0.5	0.5 million cells/vial	
	CL015-2X0.5	2x 0.5 million cells/vial	
	CL015-T25	1 T25 cm <sup>2</sup> flask	
	CL015-2XT25	2 T25 cm <sup>2</sup> flasks	
A confluent T25 flask yields approximately 1.5 - 2X10 <sup>6</sup> cells			
<b>Check for availability</b>			
<b>HiFi™ Human Epidermal Melanocytes (HEM) from Juvenile Foreskin</b> Isolated from human juvenile foreskin Optimized for use with AL528	CL022-0.5	0.5 million cells/vial	
	CL022-2X0.5	2x 0.5 million cells/vial	
	CL022-T25	1 T25 cm <sup>2</sup> flask	
	CL022-2XT25	2 T25 cm <sup>2</sup> flasks	

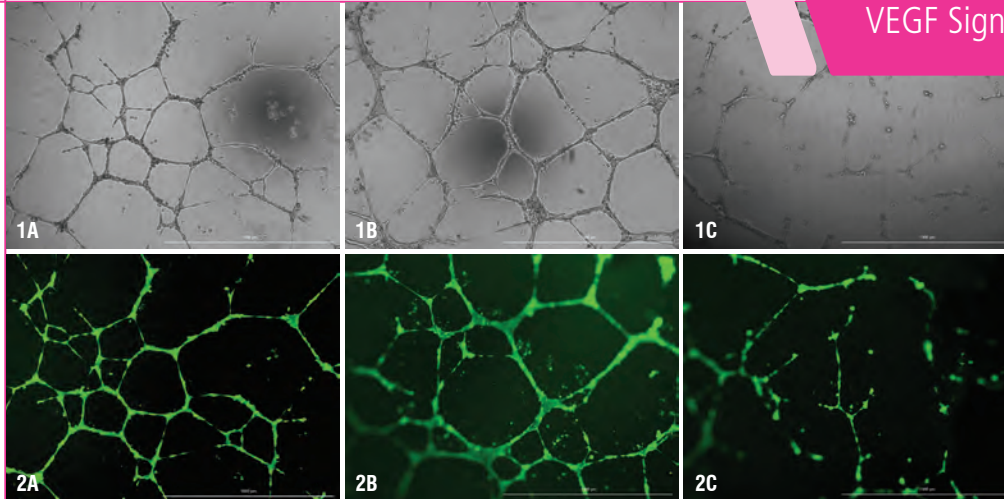
Product	Code	Packing	Price in ₹
<b>Isolation Kit</b>			
<b>HiSep® Melanocyte Isolation Kit</b> HiSep® Melanocyte Isolation Kit provides an easy method for isolation of melanocytes from skin grafts. The kit facilitates to obtain a very high yield of cells in three simple steps involving enzymatic separation of dermis-epidermis, neutralization and culturing. Melanocytes obtained by this method can further be used for various research purposes. Kit Contents: a) Dissociation Mix b) Reconstitution Buffer c) Neutralizing Reagent d) Melanocyte Suspension Medium e) Conical bottom tube 15ml f) Petri plate	CCK001-1PR	1PR 5X1PR	
<b>Expansion Medium</b>			
<b>HiMelanoXL™ Melanocyte Expansion Medium</b> w/L-Glutamine and Sodium bicarbonate w/o PMA Expansion medium for human epidermal melanocytes Part A: HiMelanoXL™ Melanocyte Expansion Medium, Basal Part B: HiMelanoXL™ Melanocyte Growth supplement (Store at -20°C)	AL528-500ML	500ml	

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- Only cryopreserved vials will be supplied for locations with more than 72 hours transit time. Please enquire before placing an order
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

# Endothelial Cell Platform

Introducing

Pre-screened HUVEC for VEGF Signaling & Angiogenesis



Qualified for stimulus dependent Angiogenesis & key endothelial signaling for VEGFR response

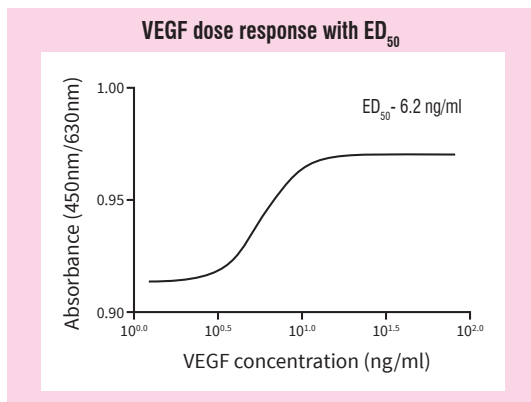
Ready to use cells for drug response, Cell migration, Tube formation and Invasion assays

Ideal model for pharmacological investigation, regenerative medicine and pathological stimuli

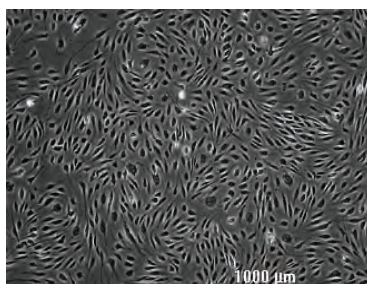
Morphogenesis of HiFi™ Human Umbilical Vein Endothelial Cells (HUVEC), pre-screened for Angiogenesis  
Cells were plated on wells precoated with Extracellular Matrix Gel and grown for 18 hours  
1A, 1B, 1C - Tube formation in Untreated, VEGF treated and Angiogenesis inhibitor treated HUVEC - Phase contrast (4X)  
2A, 2B, 2C - Tube formation in Untreated, VEGF treated and Angiogenesis inhibitor treated HUVEC stained with Calcein AM (4X)

Product	Code	Packing	Price in ₹
<b>Prescreened HUVEC Platform</b>			
HiFi™ Human Umbilical Vein Endothelial Cells, Single Donor, <b>Prescreened for VEGF Signaling</b> Optimized for use with AL530	<b>New</b> CL037-0.5	0.5million cells/vial	
	CL037-2X0.5	2x 0.5 million cells/vial	
HiFi™ Human Umbilical Vein Endothelial Cells, Single Donor, <b>Prescreened for Angiogenesis</b> Optimized for use with AL530	<b>New</b> CL038-0.5	0.5million cells/vial	
	CL038-2X0.5	2x 0.5 million cells/vial	

Product	Code	Packing	Price in ₹
<b>Angiogenesis Kit</b>			
EZAssay™ Angiogenesis Cell Culture <b>Kit (In Vitro)</b> Simple and Qualitative tool for assessing angiogenesis. Easy monitoring of the ability of endothelial cells to form three deminsional tube like strucutres <i>in vitro</i> Kit contents : 1. Extracellular marix solution 2. 10X buffer solution 3. Inhibitor solution 4. Staining solution	<b>New</b> CCK081-100	(100 Tests in 96 well format)	

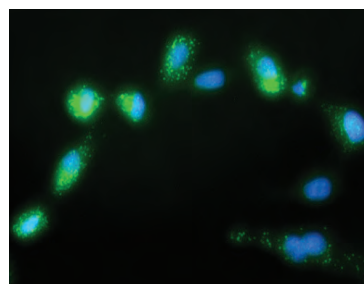


- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500



Phase contrast microscopy of HUVEC (10X)

- Tested for
- Post-thaw viability > 80%
  - Characterized by marker expression of CD31+ and vWF by FACS and immunocytochemistry
  - Sterility tested



HUVEC immuno stained with vWF-FITC (10X)

- Ideal *in vitro* model to study
- Angiogenesis
  - Inflammation
  - Microtubular information
  - Athero and arteriosclerosis

Product	Code	Packing	Price in ₹
<b>HUVEC - VEGF Platform</b>			
<b>Cells</b>			
<b>HiFi™ Human Umbilical Vein Endothelial Cells (HUVEC), Single Donor</b>	<b>CL002-0.5</b>	<b>0.5 million cells/vial</b>	
Isolated from normal human umbilical vein of single donor.	<b>CL002-2X0.5</b>	<b>2x 0.5 million cells/vial</b>	
Optimized for use with AL517	<b>CL002-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
A confluent T25 flask yields approximately 1.5 - 2X10 <sup>8</sup> cells	<b>CL002-2XT25</b>	<b>2 T25 cm<sup>2</sup> flasks</b>	
<b>Expansion Media</b>			
<b>HiEndoXL™ Endothelial Cell Expansion Medium, Reduced Serum</b>	<b>AL517-500ML</b>	<b>500ml</b>	
w/VEGF, L-Glutamine and Sodium bicarbonate w/o BBE			
Part A: HiEndoXL™ Endothelial Cell Expansion Medium, Basal			
Part B: HiEndoXL™ Endothelial Cell Growth Supplement (Store at -20°C)			
<b>Basal Medium</b>			
<b>HiEndoXL™ Endothelial Cell Expansion Basal Medium</b>	<b>AL534-500ML</b>	<b>500ml</b>	
w/L-Glutamine and Sodium bicarbonate			
<b>Growth Supplements</b>			
<b>HiEndoXL™ Endothelial Growth Supplement, Reduced Serum</b>	<b>TCL112-1N0</b>	<b>1 no for 500ml of basal medium</b>	
w/ VEGF w/o BBE			
A reduced serum growth supplement for <i>in vitro</i> expansion of endothelial cells To be used with AL534 (Store at -20°C)			

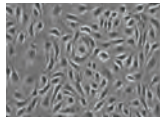
Product	Code	Packing	Price in ₹
<b>Culture Kit</b>			
<b>EZExpand™ Human Umbilical Vein Endothelial Cell Culture Kit</b>	<b>CCK026-0.5</b>	<b>0.5 million cells/vial</b>	
Part A: HiFi™ Human Umbilical Vein Endothelial Cells (HUVEC)	<b>CCK026-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
Part B: HiEndoXL™ Endothelial Cell Expansion Medium, Basal			
Part C: HiEndoXL™ Endothelial Growth Supplement			
Part D: Gentamicin-Amphotericin B Solution 1000X			
Part E: EnVyzyme Easy,			
Part F: Gelatin solution 0.5%			

Product	Code	Packing	Price in ₹
<b>HUVEC - Non-VEGF Platform</b>			
<b>Cells</b>			
<b>HiFi™ Human Umbilical Vein Endothelial cells (HUVEC), Single Donor</b>	<b>CL019-0.5</b>	<b>0.5 million cells/vial</b>	
Isolated in absence of exogenous recombinant VEGF	<b>CL019-2X0.5</b>	<b>2x 0.5 million cells/vial</b>	
Optimized for use with AL530	<b>CL019-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
A confluent T25 flask yields approximately 1.5 - 2X10 <sup>8</sup> cells	<b>CL019-2XT25</b>	<b>2 T25 cm<sup>2</sup> flasks</b>	
<b>Expansion Media</b>			
<b>HiEndoXL™ Endothelial Cell Expansion Medium, Reduced Serum</b>	<b>AL530-500ML</b>	<b>500ml</b>	
w/L-Glutamine and Sodium bicarbonate w/o BBE and VEGF			
Part A: HiEndoXL™ Endothelial Cell Expansion Medium, Basal			
Part B: HiEndoXL™ Endothelial Cell Growth Supplement (Store at -20°C)			
<b>Growth Supplements</b>			
<b>HiEndoXL™ Large Vessel Endothelial Growth Supplement, Reduced Serum</b>	<b>TCL113-1N0</b>	<b>1 no for 500ml of basal medium</b>	
w/o BBE and VEGF			
Suitable for culture systems where VEGF may interfere with the experimental set up To be used with AL534 (Store at -20°C)			

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

436 All the above products to be stored at 2- 8°C unless indicated  
 Cells supplied are strictly for research use only. Not for therapeutic use  
 Store kit contents as per storage temperatures indicated on individual components

Product	Code	Packing	Price in ₹
<b>Culture Kit</b>			
<b>EZXpand™ Human Umbilical Vein Endothelial Cell Culture Kit (w/o VEGF)</b>	<b>CCK066-0.5</b>	<b>0.5 million cells/vial</b>	
Part A: HiFi™ Human Umbilical Vein Endothelial Cells (w/o VEGF)	<b>CCK066-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
Part B: HiEndoXL™ Endothelial Cell Expansion Medium, Basal			
Part C: HiEndoXL™ Endothelial Growth Supplement (w/o VEGF)			
Part D: Gentamicin-Amphotericin B Solution 1000X			
Part E: EnVzyme Easy,			
Part F: Gelatin solution 0.5%			

<b>HUAEC</b>			
<b>Cells</b>			
<b>HiFi™ Human Umbilical Artery Endothelial cells (HUAEC)</b>	<b>CL017-0.5</b>	<b>0.5 million cells/vial</b>	
Isolated from normal human umbilical artery of single donor. Optimized for use with AL517	<b>CL017-2X0.5</b>	<b>2x 0.5 million cells/vial</b>	
 <p>Phase contrast microscopy of HUAEC (10X)</p>	<b>CL017-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
	<b>CL017-2XT25</b>	<b>2 T25 cm<sup>2</sup> flasks</b>	
	A confluent T25 flask yields approximately 1.5 - 2X10 <sup>6</sup> cells		

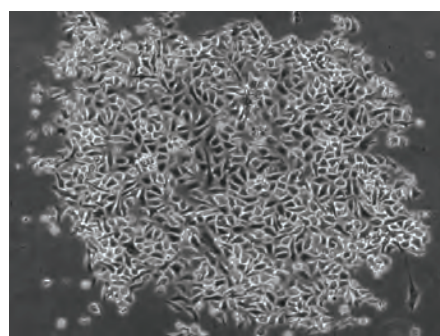
Product	Code	Packing	Price in ₹
<b>Microvascular Expansion Medium</b>			
<b>HiEndoXL™ Microvascular Endothelial Cell Expansion Medium, Reduced Serum</b>	<b>AL527-500ML</b>	<b>500ml</b>	
w/L-Glutamine and Sodium bicarbonate w/o BBE			
Part A: HiEndoXL™ Microvascular Endothelial Cell Expansion Medium, Basal			
Part B: HiEndoXL™ Microvascular Endothelial Cell Growth Supplement (Store at -20°C)			

<b>Endothelial Dissociation Solutions</b>			
<b>EnVzyme™ Easy</b>	<b>TCL137-100ML</b>	<b>100ml</b>	
For easy to dissociate cells (Store at -20°C)	<b>TCL137-500ML</b>	<b>500ml</b>	

<b>Trypsin Inhibitor from Soyabean 1X, Liquid</b>	<b>TCL068-100ML</b>	<b>100ml</b>	
w/ 1mg/ml of Trypsin inhibitor in Dulbecco's Phosphate Buffered Saline		<b>5x100ml</b>	

<b>Endothelial Attachment Solutions</b>			
<b>Gelatin Solution 0.5%</b>	<b>TCL109-100ML</b>	<b>100ml</b>	
w/ 0.5% Type B Gelatin from bovine skin in sterile tissue culture grade water Store at 15-30°C			
<b>Gelatin Solution 2%</b>	<b>TCL059-100ML</b>	<b>100ml</b>	
w/ 2% Type B Gelatin from bovine skin in sterile tissue culture grade water Store at 15-30°C			

## Mammary Epithelial Cell Platform



Phase contrast microscopy of HMEC (10X)

- Post-thaw viability > 80%
- Characterized by marker expression of Cytokeratin 14<sup>+</sup>, Cytokeratin 18<sup>+</sup> and Cytokeratin 19<sup>+</sup> by immunocytochemistry
- Sterility tested

Product	Code	Packing	Price in ₹
<b>Cells</b>			
<b>HiFi™ Human Mammary Epithelial Cells (HMEC)</b>	<b>CL014-0.5</b>	<b>0.5 million cells/vial</b>	
HiFi™ HMEC are normal human mammary epithelial cells isolated from tissues obtained after reduction mammoplasty. These cells act as excellent models for research on breast cancer and cellular transformation studies. Optimized for use with AL529	<b>CL014-T25</b>	<b>1 T25 cm<sup>2</sup> flask</b>	
	<b>CL014-2XT25</b>	<b>2 T25 cm<sup>2</sup> flasks</b>	
A confluent T25 flask yields approximately 1.0 - 1.5 X 10 <sup>6</sup> cells			

<b>Expansion Medium</b>			
<b>HiEpiXL™ Mammary Epithelial Cells Expansion Medium</b>	<b>AL529-500ML</b>	<b>500ml</b>	
w/L-Glutamine and Sodium bicarbonate			
Part A: HiEpiXL™ Mammary Epithelial Cells Expansion Medium, Basal			
Part B: HiEpiXL™ Mammary Epithelial Cells Growth Supplement (Store at -20°C)			
Part C: Bovine Pituitary Extract (Store at -20°C)			

- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

## Peripheral Blood Cell Platform

Introducing

# smarT™ T Cell Expansion Medium



Manufactured in  
GMP, ISO13485 and  
ISO 9001 certified  
facility

Serum Free,  
Xeno Free  
medium

Robust growth  
and expansion  
capacity

Define medium-  
enhances  
reproducibility

A Complete, Serum free (SF), Xeno-free (XF) system  
for in vitro culture of human T cells

ACC

## Activation potential

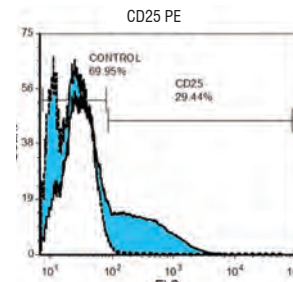
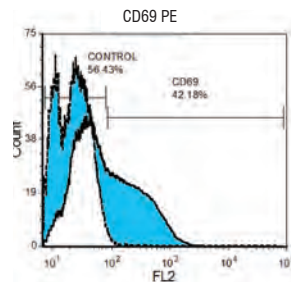
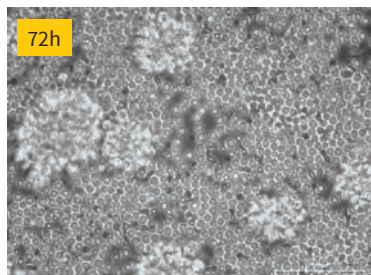
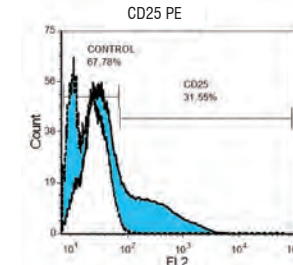
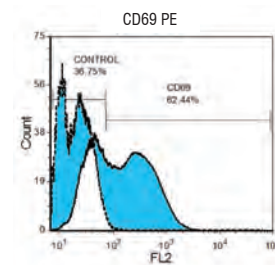
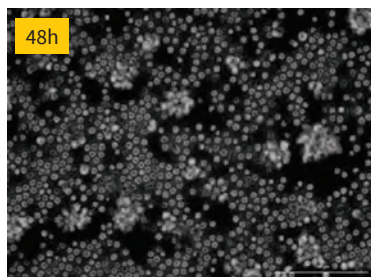
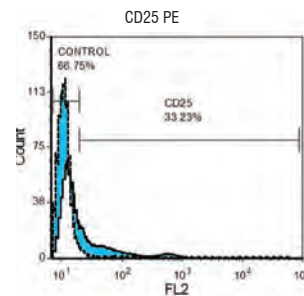
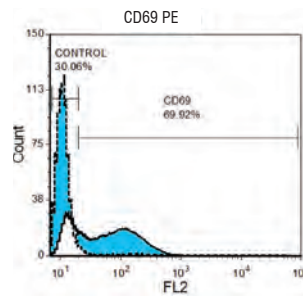
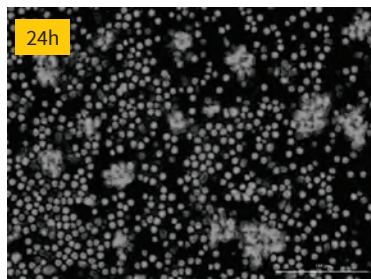


Fig 1: T cells isolated from Peripheral Blood Mononuclear cells showing activation by adding human anti-CD3/ OKT3 clone and anti-CD28 antibody for 24h, 48h and 72h. T cells were visualized under microscope and activation was checked on flow cytometer by surface expression of CD69 and CD25.

Product	Code	Packing	Price in ₹
<b>Expansion</b>			
smarT™ T cell Expansion Medium, Research grade A Serum-free, Xeno-free medium for expansion of human T cells w/L-Glutamine and Sodium bicarbonate Part A : Basal Medium Part B : Growth Supplement (Store at -20°C)	<b>New</b> AL541-500ML	500ml	5860
	AL541-1000ML	1000ml	10500

## Supports high cell densities

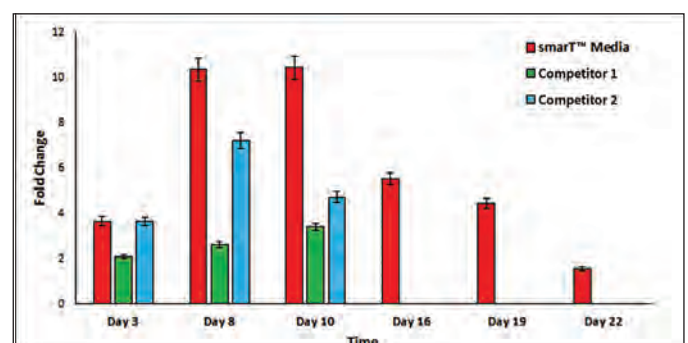


Fig 2: Viable cell fold increase of isolated T cells in smarT™



Characterized PBMCs and pure subpopulations for ADCC and reporter assays

We deliver  
freshly

More than  
**90%**  
viability

More than  
**90%**  
Pure  
population

**Tested**  
for  
Mycoplasma,  
HIV, HBV, HCV

isolated

**PBMC's** in

24 hours

### Normal Human PBMCs

Comprehensive portfolio of normal peripheral blood mononuclear cells (PBMCs)

Isolated from healthy donors

### PBMCs, Single donor

**Available 2 billion PBMCs**

### Purified Cell Subsets

Ideal for biopharma researchers to perform functional cell based assays

Manufactured using optimized methods to ensure high purity

Human Peripheral Blood Mononuclear Cells (PBMC)  
Single Donor and Pooled

CL003

**CD56** and **CD16** tested PBMC  
Single Donor

CL027

Human **OKT3** tested PBMC  
Single Donor

CL028

Human **CD45**, **CD3**, **CD8**, **CD4** and **CD19** tested PBMC  
Single Donor

CL031

Human **CD4+ T cells**

Single Donor  
Bead free immunomagnetic positive isolation

CL032

Human **NK cells**

Single Donor  
Bead free immunomagnetic negative isolation

CL033

Human **dendritic cells**

Single Donor  
Bead free immunomagnetic negative isolation

CL036

Human **CD3+ T cells**

Single Donor  
Bead free immunomagnetic positive isolation

CL039

Human **CD8+ T cells**

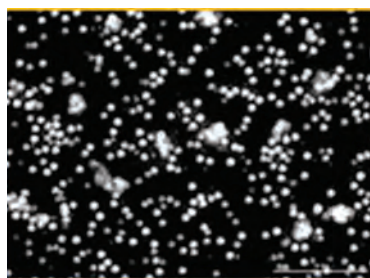
Single Donor  
Bead free immunomagnetic positive isolation

CL042

Human **CD14+Monocytes**

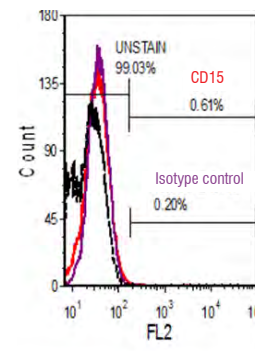
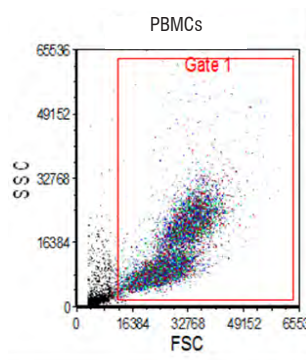
Single Donor

CL044



- Post-thaw viability > 90%
- Characterized by marker expression of CD45, CD3, CD4, CD8, CD14, CD15, CD16, CD19 and CD56 using FACS
- Sterility tested

Peripheral Blood Mononuclear Cells



Product	Code	Packing	Price in ₹
<b>Human Peripheral Blood Mononuclear Cells</b>			
<b>HiFi™ Human Peripheral Blood Mononuclear Cells (H-PBMC), Single Donor</b> <ul style="list-style-type: none"> <li>• Isolated from peripheral whole blood obtained from a single donor.</li> <li>• Contain normal mixture of lymphocytes, monocytes, macrophages and stem cells.</li> <li>• Good model system to study immunogenic behavior of cells in response to external stimuli, migration of macrophages, phagocytosis, etc.</li> </ul>	CL003-25	25 million cells/ vial	
	CL003-2X25	2x25 million cells/ vial	
	CL003-10	10 million cells/ vial	
	CL003-3X10	3x10 million cells/ vial	
<b>HiFi™ Human Peripheral Blood Mononuclear Cells (H-PBMC), Pooled</b> <ul style="list-style-type: none"> <li>• Isolated from peripheral whole blood pooled from different donors.</li> <li>• Contain normal mixture of lymphocytes, monocytes, macrophages and stem cells.</li> <li>• Good model system to study immunogenic behavior of cells in response to external stimuli, migration of macrophages, phagocytosis, etc.</li> </ul>	CL010-25	25 million cells/vial	
	CL010-2x25	2x25 million cells/vial	
	CL010-10	10 million cells/vial	
	CL010-3X10	3x10 million cells/vial	
<b>CD56 and CD16 Tested</b>			
<b>HiFi™ Human CD56 and CD16 tested PBMC Single Donor</b> <ul style="list-style-type: none"> <li>• Isolated from peripheral whole blood obtained from a single donor.</li> <li>• Contain normal mixture of lymphocytes and monocytes.</li> <li>• Tested for presence of CD56 and CD16 cells by flow cytometry.</li> <li>• Good model system to study immune response and functional studies.</li> </ul>	CL027-T25	25 million cells/ T25 flask	
	CL027-2XT25	2xT25 million cells/ T25 flask	
	CL027-25	25 million cells/ vial	
	CL027-2X25	2x25 million cells/ vial	

Product	Code	Packing	Price in ₹
<b>OKT Tested</b>			
<b>HiFi™ Human OKT tested PBMC Single Donor</b> <ul style="list-style-type: none"> <li>• Isolated from peripheral whole blood obtained from a single donor.</li> <li>• Contain normal mixture of lymphocytes and monocytes.</li> <li>• Cells are validated for response to OKT 3 antibody</li> </ul>	CL028-25	25 million cells/ vial	
	CL028-10	10 million cells/ vial	
<b>CD45, CD3, CD8, CD4 and CD19 Tested</b>			
<b>HiFi™ Human CD45, CD3, CD8, CD4 and CD19 tested PBMC Single Donor</b> <ul style="list-style-type: none"> <li>• Isolated from peripheral whole blood obtained from a single donor.</li> <li>• Contain normal mixture of lymphocytes and monocytes.</li> <li>• Tested for CD45, CD3, CD4, CD8 and CD19 cells by flow cytometry.</li> <li>• Good model system to study immune response and functional studies.</li> </ul>	CL031-T25	25 million cells/ T25 flask	
	CL031-25	25 million cells/ vial	

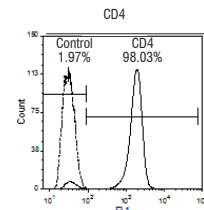
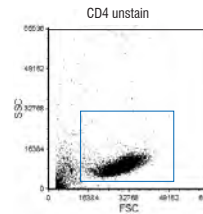
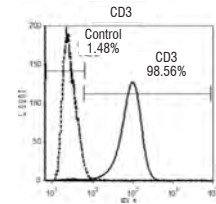
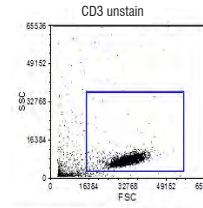
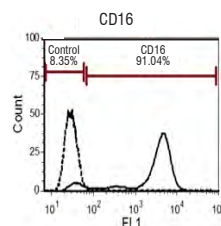
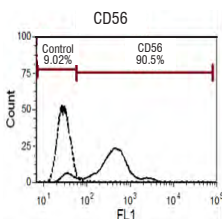
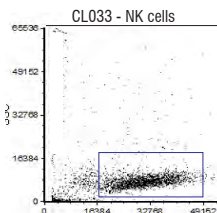
- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

**T Cells**

Product	Code	Packing	Price in ₹
<b>HiFi™ Human CD4+ T cells Single Donor (Bead free immunomagnetic positive isolation)</b> • Isolated from peripheral blood mononuclear cells of healthy donor using positive immunomagnetic selection method. • Cells are bead free suitable for functional studies	CL032-10	10 million cells/ vial	
<b>HiFi™ Human Peripheral blood CD3+ T cells (Bead free immunomagnetic negative isolation, single donor)</b> • Isolated from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. • Cells are bead free suitable for functional studies	<b>New</b> CL039-10 CL039-T25	10million cells/vial 10 million cells/flask	
<b>HiFi™ Human Peripheral blood CD3+ T cells (Bead free immunomagnetic negative isolation, pooled)</b> • Isolated from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. • Cells are bead free suitable for functional studies	<b>New</b> CL041-10 CL041-T25 CL041-2XT25 CL041-4XT25	10 million cells/ vial 10 million cells/ flask 10 million cells/ flask 10 million cells/ flask	
<b>HiFi™ Human Peripheral blood CD8+ T cells (Bead free immunomagnetic negative isolation, single donor)</b> • Isolated from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. • Cells are bead free suitable for functional studies	<b>New</b> CL042-5 CL042-T25	5 million cells/ vial 5 million cells/ flask	

**NK Cells**

<b>HiFi™ Human NK cells, Single Donor (Bead free immunomagnetic negative isolation)</b> • Isolated from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. • Cells are bead free suitable for functional studies	CL033-5	5 million cells/ vial	
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Product	Code	Packing	Price in ₹
<b>Dendritic Cells</b>			
<b>HiFi™ Human dendritic cells (bead free immunomagnetic negative isolation, single donor)</b> • Isolated and enriched from peripheral blood mononuclear cells of healthy donor using negative immunomagnetic selection method. • Cells are bead free suitable for functional studies	<b>New</b> CL036-1.0 CL036-2.5	1.0 million cells/vial 2.5 million cells/vial	
<b>HiFi™ Monocyte derived Dendritic cells from Human peripheral blood mononuclear cells, single donor</b> Monocytes are isolated from peripheral blood mononuclear cells and induced by cytokines to derive dendritic cells	<b>New</b> CL045-2	2 million cells/ vial	
<b>Monocytes</b>			
<b>HiFi™ Human periferal blood CD14+ monocytes, single donor</b> Cells are isolated from peripheral blood mononuclear cells and tested for CD14+ expression	<b>New</b> CL044-5	5 million cells/ vial	

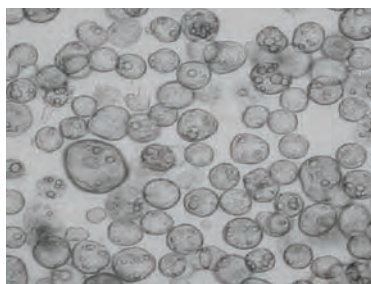
- Proliferating cells supplied at room temperature
- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

For Bulk pricing, contact your local representative or email [atc@himedialabs.com](mailto:atc@himedialabs.com)

# Primary Cryopreserved Hepatocytes

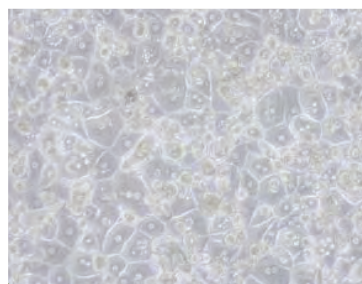
Introducing

Cryopreserved primary hepatocytes suspension and plateable certified for metabolism, induction and transporters



Tested for  
• Post-thaw viability > 90%  
• Sterility tested

Human Cryopreserved Hepatocytes Suspension



Ideal *in vitro* model to study  
• to study metabolic, induction and transporter markers (characterized for CYP450 drug-metabolizing enzyme activity, UGT and SULT activities and transporters)

Human Cryopreserved Hepatocytes Plateable

## PLATEABLE HEPATOCYTES - Analysis Certificate

Plateable Hepatocytes are characterized for CYP450 drug-metabolizing enzyme activity (Phase I), UGT & SULT activities (Phase II), and transporters.

DONOR DEMOGRAPHICS							
Species	Sex	Race	Age	BMI	Smoker	Alcohol Use	Drug Use
Human	Male	Caucasian	69	23	No	No	No
Pathology		Medication		Serological Data			
Colorectal cancer hepatic metastases		Enalapril		Tested negative less than 3 months before surgery			

Post Thaw Lot information	
Number of viable cells/vial: 5.6 ± 0.2* 10 <sup>6</sup> (n=2)	Monolayer assessment* Plateability: YES
Post thaw viability (%): 92.6 ± 2.2 (n=2)	Seeding density in 24 well plate recommended: 0.3* 10 <sup>6</sup> cells/well in 0.5 ml
Cell morphology 24h	Cell morphology 72h

INDUCTION (SPECIFIC ACTIVITY)				
Enzyme	BASAL activity (pmol/min/mg protein) ON DAY 1	Basal activity (pmol/min/mg protein) ON DAY 4	Induced activity (pmol/min/mg protein) ON DAY 4	n-Fold INDUCTION
CYP1A2	11.52±1.69	1.95±0.06	341.56±84.99	175.08
CYP2B6	13.19±0.31	8.09±0.81	74.83±5.34	9.25
CYP3A4	13.73±0.54	0.94±0.12	20.71±5.20	21.93

ENZYME	CONJUGATE	pmol/min/mg
UGT	7-OH coumarin glucuronide	487.38 ± 56.45
SULT	7-OH coumarin sulfate	33.56 ± 3.72

CYP (mRNA)	n-Fold INDUCTION
CYP1A2	11
CYP2B6	22
CYP3A4	191

**3D Certification**

Available categories	Suspension single donor	Suspension pooled donor	Metabolism certified (metabolic stability)	Induction certified (phenotyping and CYP inhibition)	Transporters certified (uptake transporters)
Product Code	HuCS	CL040	HuCPM	HuCPI	HuCPT

Product	Code	Packing	Price in ₹
<b>Human</b>			
Human Cryopreserved Hepatocytes Suspension, Single donor <span style="float: right;">New</span>	HUCS-2	2 million cells/vial	
	HUCS-4	4 million cells/vial	
	HUCS-6	6 million cells/vial	
Human Cryopreserved Hepatocytes Plateable – Metabolism certified, single donor <span style="float: right;">New</span>	HUCPM-2	2 million cells/vial	
	HUCPM-4	4 million cells/vial	
	HUCPM-6	6 million cells/vial	
Human Cryopreserved Hepatocytes Plateable – Induction certified, Single donor <span style="float: right;">New</span>	HUCPI-2	2 million cells/vial	
	HUCPI-4	4 million cells/vial	
	HUCPI-6	6 million cells/vial	
Human Cryopreserved Hepatocytes Plateable – Transporter certified, single donor <span style="float: right;">New</span>	HUCPT-2	2 million cells/vial	
	HUCPT-4	4 million cells/vial	
	HUCPT-6	6 million cells/vial	
<b>Monkey</b>			
Cynomolgus Cryopreserved Hepatocytes ,Suspension, single donor <span style="float: right;">New</span>	CHCS-2	2 million cells/vial	
	CHCS-4	4 million cells/vial	
	CHCS-6	6 million cells/vial	
Cynomolgus Cryopreserved Hepatocytes,Plateable single donor <span style="float: right;">New</span>	CHCP-2	2 million cells/vial	
	CHCP-4	4 million cells/vial	
	CHCP-6	6 million cells/vial	
Cynomolgus Cryopreserved Hepatocytes,Plateable – Induction certified, single donor <span style="float: right;">New</span>	CHCP-I-2	2 million cells/vial	
	CHCP-I-4	4 million cells/vial	
	CHCP-I-6	6 million cells/vial	
Cynomolgus Cryopreserved Hepatocytes,Plateable – Ind and Transporter certified,single donor <span style="float: right;">New</span>	CHCP-I-T-2	2 million cells/vial	
	CHCP-I-T-4	4 million cells/vial	
	CHCP-I-T-6	6 million cells/vial	

Product	Code	Packing	Price in ₹
Cynomolgus Cryopreserved Hepatocytes - Plateable – Induction certified, pooled <span style="float: right;">New</span>	CHCP-I-Pool-4	4 million cells/vial	
	CHCP-I-Pool-6	6 million cells/vial	
<b>Rat</b>			
Rat Cryopreserved Hepatocytes Plateable-Induction certified ,single donor <span style="float: right;">New</span>	RHCP-I-6	6 million cells/vial	
<b>Göttingen Minipeg</b>			
Göttingen Minipig Cryopreserved Hepatocytes Plateable, single donor <span style="float: right;">New</span>	GMHCP-2	2 million cells/vial	
	GMHCP-4	4 million cells/vial	
	GMHCP-6	6 million cells/vial	
Göttingen Minipig Cryopreserved Hepatocytes Plateable-Induction ,single donor certified <span style="float: right;">New</span>	GMHCP-I-2	2 million cells/vial	
	GMHCP-I-4	4 million cells/vial	
<b>Beagle</b>			
Beagle Cryopreserved Hepatocytes Suspension ,single donor <span style="float: right;">New</span>	BHCS-2	2 million cells/vial	
	BHCS-4	4 million cells/vial	
	BHCS-6	6 million cells/vial	
Beagle Cryopreserved Hepatocytes Plateable ,single donor <span style="float: right;">New</span>	BHCP-2	2 million cells/vial	
	BHCP-4	4 million cells/vial	
	BHCP-6	6 million cells/vial	
Beagle Cryopreserved Hepatocytes Plateable-Induction certified ,single donor <span style="float: right;">New</span>	BHCP-I-2	2 million cells/vial	
	BHCP-I-4	4 million cells/vial	
	BHCP-I-6	6 million cells/vial	
Beagle Cryopreserved Hepatocytes Plateable-Induction and Transporter certified ,single donor <span style="float: right;">New</span>	BHCP-I-T-2	2 million cells/vial	
	BHCP-I-T-4	4 million cells/vial	
	BHCP-I-T-6	6 million cells/vial	
Beagle Cryopreserved Hepatocytes Plateable-Induction certified-pool of 3 <span style="float: right;">New</span>	BHCP-I-Pool-4	4 million cells/vial	
	BHCP-I-Pool-6	6 million cells/vial	

- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

Product	Code	Packing	Price in ₹
<b>Horse</b>			
Horse Cryopreserved Hepatocytes Suspension ,single donor <span style="color: red;">New</span>	EHCS-2	2 million cells/vial	
	EHCS-4	4 million cells/vial	
	EHCS-6	6 million cells/vial	
Horse Cryopreserved Hepatocytes Plateable-Induction certified ,single donor <span style="color: red;">New</span>	EHCP-2	2 million cells/vial	
	EHCP-4	4 million cells/vial	
	EHCP-6	6 million cells/vial	
<b>Sheep: Suffolk</b>			
Suffolk Cryopreserved Hepatocytes Suspension ,single donor <span style="color: red;">New</span>	SHCS-2	2 million cells/vial	
<b>Chicken</b>			
Chicken Cryopreserved Hepatocytes Suspension ,single donor <span style="color: red;">New</span>	PHCS-2	2 million cells/vial	
	PHCS-4	4 million cells/vial	
<b>Duck: Mallard Duck</b>			
Mallard Duck Cryopreserved Hepatocytes Suspension ,single donor <span style="color: red;">New</span>	DHCS-6	6 million cells/vial	

Product	Code	Packing	Price in ₹
<b>Turkey</b>			
Turkey Cryopreserved Hepatocytes Suspension ,single donor <span style="color: red;">New</span>	THCS-2	2 million cells/vial	
	THCS-4	4 million cells/vial	
	THCS-6	6 million cells/vial	
<b>Rainbow Trout</b>			
Rainbow Trout Cryopreserved Hepatocytes Suspension, single donor <span style="color: red;">New</span>	FHCS-2	2 million cells/vial	
	FHCS-4	4 million cells/vial	
	FHCS-6	6 million cells/vial	
Rainbow Trout Cryopreserved Hepatocytes Suspension -male, female or mixed gender pool of 3-6 animals <span style="color: red;">New</span>	RTHCS-4	4 million cells/vial	
	RTHCS-6	6 million cells/vial	
<b>Atlantic Salmon</b>			
Atlantic Salmon Cryopreserved Hepatocytes Suspension, single donor <span style="color: red;">New</span>	ASHCS-4	4 million cells/vial	

- Cryopreserved cells supplied in dry vapour cryoshipper (-150°C)
- \* Inclusive of liquid nitrogen shipping charges of Rs 4500

## Cytokines and Growth Factors

Product	Code	Packing	Price in ₹
<b>Albumin</b>			
<b>Human Recombinant Serum Albumin</b> Cell Culture Tested Assay : ≥96% Store at -20°C	CF001-1G	1gm	
<b>Activin</b>			
<b>Human Recombinant Activin A</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF002-10MCG CF002-50MCG	10mcg 50mcg	
<b>Bone Morphogenetic Proteins (BMP)</b>			
<b>Human Recombinant Bone morphogenetic protein-2</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF003-2MCG CF003-10MCG CF003-100MCG	2mcg 10mcg 100mcg	
<b>Murine Recombinant Bone morphogenetic protein-2</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF004-2MCG CF004-10MCG CF004-50MCG CF004-100MCG	2mcg 10mcg 50mcg 100mcg	
<b>Human Recombinant Bone morphogenetic protein-3</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF005-10MCG CF005-50MCG CF005-100MCG	10mcg 50mcg 100mcg	
<b>Human Recombinant Bone morphogenetic protein-4</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF006-2MCG CF006-10MCG CF006-100MCG	2mcg 10mcg 100mcg	
<b>Human Recombinant Bone morphogenetic protein-5</b> Source : CHO cells Cell Culture Tested Store at -20°C	CF007-2MCG CF007-10MCG CF007-100MCG	2mcg 10mcg 100mcg	
<b>Human Recombinant Bone morphogenetic protein-6</b> Source : HEK cells Cell Culture Tested Store at -20°C	CF008-2MCG CF008-10MCG CF008-100MCG	2mcg 10mcg 100mcg	
<b>Human Recombinant Bone morphogenetic protein-7</b> Source : CHO cells Cell Culture Tested Store at -20°C	CF009-2MCG CF009-10MCG CF009-100MCG	2mcg 10mcg 100mcg	
<b>Human Recombinant Bone morphogenetic protein-13</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF010-10MCG CF010-50MCG CF010-100MCG	10mcg 50mcg 100mcg	

Product	Code	Packing	Price in ₹
<b>CDNF</b>			
<b>Human Recombinant CDNF</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF011-5MCG CF011-25MCG	5mcg 25mcg	
<b>Colony Stimulating Factors (CSF)</b>			
<b>Human Recombinant Granulocyte Colony Stimulating Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF012-2MCG CF012-10MCG	2mcg 10mcg	
<b>Murine Recombinant Granulocyte -Colony Stimulating Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF013-2MCG CF013-10MCG	2mcg 10mcg	
<b>Human Recombinant Granulocyte Macrophage Colony Stimulating Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF014-5MCG CF014-20MCG	5mcg 20mcg	
<b>Murine Recombinant Granulocyte/Macrophage - Colony Stimulating Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF015-5MCG CF015-20MCG CF015-100MCG	5mcg 20mcg 100mcg	
<b>Human Recombinant Macrophage Colony Stimulating Factor</b> Source : <i>E.coli</i> Cell Culture Tested Assay : ≥98% Store at -20°C	CF016-2MCG CF016-10MCG CF016-100MCG	2mcg 10mcg 100mcg	
<b>Murine Recombinant Macrophage Colony Stimulating Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF017-2MCG CF017-10MCG	2mcg 10mcg	
<b>DKK</b>			
<b>Human Recombinant DKK-1</b> Source : HEK-293 Cell Culture Tested Store at -20°C	CF018-2MCG CF018-10MCG CF018-100MCG	2mcg 10mcg 100mcg	
<b>Endothelial Growth Factors</b>			
<b>Human Recombinant Vascular Endothelial Growth Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF019-2MCG CF019-10MCG CF019-100MCG	2mcg 10mcg 100mcg	

Product	Code	Packing	Price in ₹
<b>Human Recombinant EG-Vascular Endothelial Growth Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF020-5MCG	5mcg	
	CF020-20MCG	20mcg	
	CF020-100MCG	100mcg	
<b>Murine Vascular Endothelial Growth Factor-165</b> Cell Culture Tested Store at -20°C	CF021-2MCG	2mcg	
	CF021-10MCG	10mcg	
<b>Endothelin</b>			
<b>Endothelin 1</b> ET-1 Cell Culture Tested Store at -20°C	CF022-1MG	1mg	
<b>Epidermal Growth Factors (EGF)</b>			
<b>Human Recombinant Epidermal Growth Factor</b> Cell Culture Tested CAS : 62253-63-8 Assay : ≥98% Store at -20°C	CF023-0.1MG	0.1mg	
	CF023-0.5MG	0.5mg	
	CF023-1MG	1mg	
<b>Murine Recombinant Epidermal Growth Factor</b> Cell Culture Tested CAS : 62253-63-8 Assay : ≥98% Store at -20°C	CF024-0.1MG	0.1mg	
	CF024-0.5MG	0.5mg	
	CF024-1MG	1mg	
<b>Erythropoietin (EPO)</b>			
<b>Human Recombinant Erythropoietin (EPO)</b> Cell Culture Tested Store at -20°C	CF025-10MCG	10mcg	
	CF025-50MCG	50mcg	
	CF025-100MCG	100mcg	
<b>Fibroblast Growth Factors (FGF)</b>			
<b>Human Recombinant Fibroblast Growth Factor, acidic</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF026-10MCG	10mcg	
	CF026-50MCG	50mcg	
<b>Human Recombinant Fibroblast Growth Factor, basic</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF027-10MCG	10mcg	
	CF027-50MCG	50mcg	
<b>Human Fibroblast Growth Factor -10</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF028-5MCG	5mcg	
	CF028-25MCG	25mcg	
<b>Murine Recombinant Fibroblast Growth Factor-2</b> Cell Culture Tested Store at -20°C	CF029-10MCG	10mcg	
	CF029-50MCG	50mcg	
<b>Murine Recombinant Fibroblast Growth Factor-4</b> Cell Culture Tested Store at -20°C	CF030-5MCG	5mcg	
	CF030-25MCG	25mcg	

Product	Code	Packing	Price in ₹
<b>Flt3 - Ligand</b>			
<b>Human Recombinant Flt3-Ligand</b> Cell Culture Tested Store at -20°C	CF031-2MCG	2mcg	
	CF031-10MCG	10mcg	
<b>Hepatocyte Growth Factors (HGF)</b>			
<b>Human Recombinant Hepatocyte Growth Factor</b> Source : Insect cells Cell Culture Tested Store at -20°C	CF032-2MCG	2mcg	
	CF032-10MCG	10mcg	
<b>Her2 Protein</b>			
<b>Human Recombinant Her2 Protein</b> <span style="color: red;">New</span> Source : Insect cells Cell Culture Tested Store at -20°C	CF033-2MCG	2mcg	
	CF033-10MCG	10mcg	
<b>Insulin</b>			
<b>Human Recombinant Insulin</b> Cell Culture Tested $C_{257}H_{383}N_{65}O_{77}S_6$ MW : 5807.57 CAS : 11061-68-0 Assay : ≥97% Store at -20°C	CF034-250MG	250mg	
	CF034-1G	1gm	
<b>Bovine Insulin</b> Cell Culture Tested $C_{254}H_{377}N_{65}O_{75}S_6$ MW : 5733.49 CAS : 11070-73-8 Assay : ≥97% Store at -20°C	CF035-25MG	25mg	
	CF035-100MG	100mg	
	CF035-500MG	500mg	
CF035-1G	1gm		
<b>Insulin-like Growth Factors (IGF)</b>			
<b>Human Recombinant Insulin-like Growth Factor I</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF036-100MCG	100mcg	
	CF036-500MCG	500mcg	
<b>Murine Recombinant Insulin-like Growth Factor I</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF037-10MCG	10mcg	
	CF037-50MCG	50mcg	
<b>Human Recombinant Insulin-like Growth Factor II</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF038-10MCG	10mcg	
	CF038-50MCG	50mcg	
	CF038-100MCG	100mcg	
<b>Human Recombinant Insulin-like Growth Factor I LR<sub>3</sub></b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF039-200MCG	200mcg	
	CF039-1MG	1mg	



Product	Code	Packing	Price in ₹
<b>Interferons (IFN)</b>			
<b>Human Recombinant Interferon-<math>\gamma</math></b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF040-20MCG CF040-100MCG	20mcg 100mcg	
<b>Murine Recombinant Interferon-<math>\gamma</math></b> Cell Culture Tested Store at -20°C	CF041-20MCG CF041-100MCG	20mcg 100mcg	
<b>Interleukins (IN)</b>			
<b>Human Recombinant Interleukin -1<math>\alpha</math></b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF042-2MCG CF042-10MCG	2mcg 10mcg	
<b>Human Recombinant Interleukin - 1<math>\beta</math></b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF043-2MCG CF043-10MCG	2mcg 10mcg	
<b>Human Recombinant Interleukin - 2</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF044-10MCG CF044-50MCG	10mcg 50mcg	
<b>Human Recombinant Interleukin - 3</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF045-2MCG CF045-10MCG	2mcg 10mcg	
<b>Murine Recombinant Interleukin-3</b> Cell Culture Tested Store at -20°C	CF046-2MCG CF046-10MCG	2mcg 10mcg	
<b>Human Recombinant Interleukin - 4</b> Source : <i>E.coli</i> Cell Culture Tested Assay : $\geq 98\%$ Store at -20°C	CF047-5MCG CF047-20MCG	5mcg 20mcg	
<b>Murine Recombinant Interleukin-4</b> Cell Culture Tested Store at -20°C	CF048-5MCG CF048-20MCG	5mcg 20mcg	
<b>Human Recombinant Interleukin - 6</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF049-5MCG CF049-20MCG	5mcg 20mcg	
<b>Murine Recombinant Interleukin-6</b> Cell Culture Tested Store at -20°C	CF050-2MCG CF050-10MCG	2mcg 10mcg	
<b>Human Recombinant Interleukin - 7</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF051-2MCG CF051-10MCG	2mcg 10mcg	

Product	Code	Packing	Price in ₹
<b>Human Recombinant Interleukin - 8</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF052-5MCG CF052-25MCG CF052-100MCG	5mcg 25mcg 100mcg	
<b>Human Recombinant Interleukin - 9</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF053-2MCG CF053-10MCG CF053-100MCG	2mcg 10mcg 100mcg	
<b>Murine Recombinant Interleukin-9</b> Cell Culture Tested Store at -20°C	CF054-2MCG CF054-10MCG	2mcg 10mcg	
<b>Human Recombinant Interleukin - 10</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF055-2MCG CF055-10MCG	2mcg 10mcg	
<b>Murine Recombinant Interleukin-10</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF056-5MCG CF056-25MCG	5mcg 25mcg	
<b>Human Recombinant Interleukin-11</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF057-2MCG CF057-10MCG CF057-100MCG	2mcg 10mcg 100mcg	
<b>Human Recombinant Interleukin - 13</b> Source : <i>E.coli</i> Cell Culture Tested Assay : $\geq 98\%$ Store at -20°C	CF058-10MCG CF058-100MCG	10mcg 100mcg	
<b>Keratinocyte Growth Factors (KGF)</b>			
<b>Human Recombinant Keratinocyte Growth Factor</b> Source : <i>E.coli</i> Cell Culture Tested Assay : $\geq 95\%$ Store at -20°C	CF059-2MCG CF059-10MCG CF059-100MCG	2mcg 10mcg 100mcg	
<b>Lactoferrin</b>			
<b>Lactoferrin, Human Recombinant Animal Component Free</b> Cell Culture Tested Assay : $\geq 90\%$ Store at -20°C	CF060-100MG	100mg	
<b>Leukemia Inhibitory Factors</b>			
<b>Human Recombinant Leukemia Inhibitory Factor (LIF)</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF061-5MCG CF061-25MCG	5mcg 25mcg	
<b>Recombinant Murine LIF</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF062-5MCG CF062-25MCG	5mcg 25mcg	

Product	Code	Packing	Price in ₹
<b>Monocyte Chemotactic Protein (MCP)</b>			
<b>Human Recombinant Monocyte Chemotactic Protein-1 (MCP-1)</b> Cell Culture Tested Store at -20°C	CF063-5MCG	5mcg	
	CF063-20MCG	20mcg	
<b>Mucin</b>			
<b>Human Recombinant mucin</b> Source : CHO cells Cell Culture Tested C <sub>2</sub> H <sub>4</sub> N <sub>2</sub> O MW : CAS : Assay : Store at -20°C	CF064-500MCG	500mcg	
	CF064-1MG	1mg	
<b>Platelet-derived Growth Factors</b>			
<b>Human Recombinant Platelet Derived Growth Factor- AA</b> Source : <i>E.coli</i> Cell Culture Tested Assay : ≥98% Store at -20°C	CF065-2MCG	2mcg	
	CF065-10MCG	10mcg	
	CF065-100MCG	100mcg	
<b>Murine Recombinant Platelet Derived Growth Factor- AA</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF066-2MCG	2mcg	
	CF066-10MCG	10mcg	
<b>Human Recombinant Platelet Derived Growth Factor- BB</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF067-2MCG	2mcg	
	CF067-10MCG	10mcg	
	CF067-100MCG	100mcg	
<b>Murine Recombinant Platelet Derived Growth Factor- BB</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF068-2MCG	2mcg	
	CF068-10MCG	10mcg	
	CF068-100MCG	100mcg	
<b>Human Recombinant Platelet Derived Growth Factor - AB</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF069-2MCG	2mcg	
	CF069-10MCG	10mcg	
<b>Human Recombinant Platelet Derived Growth Factor - CC</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF070-5MCG	5mcg	
	CF070-20MCG	20mcg	
	CF070-100MCG	100mcg	
<b>Stem Cell Factors (SCF)</b>			
<b>Human Recombinant Stem Cell Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF071-2MCG	2mcg	
	CF071-10MCG	10mcg	
	CF071-100MCG	100mcg	

Product	Code	Packing	Price in ₹
<b>Murine Recombinant Stem Cell Factor</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF072-2MCG	2mcg	
	CF072-10MCG	10mcg	
	CF072-100MCG	100mcg	
<b>Thrombopoietin (TPO)</b>			
<b>Human Recombinant Thrombopoietin (TPO)</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF073-2MCG	2mcg	
	CF073-10MCG	10mcg	
<b>Murine Recombinant Thrombopoietin (TPO)</b> TPO Recombinant Mouse Protein Source : <i>E.coli</i> Cell Culture Tested Assay : ≥98% Store at -20°C	CF074-2MCG	2mcg	
	CF074-10MCG	10mcg	
<b>Transferrin</b>			
<b>Human Recombinant Transferrin</b> Cell Culture Tested Assay : ≥95% Store at -20°C	CF075-1G	1gm	
	CF075-5G	5gm	
<b>holo-Transferrin bovine</b> Cell Culture Tested Assay : ≥95% Store at -20°C	CF076-100MG	100mg	
	CF076-500MG	500mg	
	CF076-1G	1gm	
<b>Transforming Growth Factors (TGF)</b>			
<b>Human Recombinant Transforming Growth Factor-alpha</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF077-20MCG	20mcg	
	CF077-100MCG	100mcg	
<b>Human Recombinant Transforming Growth Factor-beta1</b> Source : HEK 293 Cell Culture Tested Store at -20°C	CF078-2MCG	2mcg	
	CF078-10MCG	10mcg	
<b>Human Recombinant Transforming Growth Factor-beta1</b> Source : CHO cells Cell Culture Tested Store at -20°C	CF079-2MCG	2mcg	
	CF079-10MCG	10mcg	
<b>Human Recombinant Transforming Growth Factor-beta2</b> Source : Insect cells Cell Culture Tested Assay : ≥98% Store at -20°C	CF080-2MCG	2mcg	
	CF080-10MCG	10mcg	
<b>Human Recombinant Transforming Growth Factor-beta2</b> Source : HEK-293 Cell Culture Tested Store at -20°C	CF081-2MCG	2mcg	
	CF081-10MCG	10mcg	
	CF081-100MCG	100mcg	

Product	Code	Packing	Price in ₹
<b>Human Recombinant Transforming Growth Factor-beta3</b> Cell Culture Tested Store at -20°C	CF082-2MCG	2mcg	
	CF082-10MCG	10mcg	
<b>Human Recombinant Transforming Growth Factor-beta3</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF083-2MCG	2mcg	
	CF083-10MCG	10mcg	
	CF083-100MCG	100mcg	
<b>Murine Recombinant Transforming Growth Factor β 1</b> Cell Culture Tested Store at -20°C	CF084-10MCG	10mcg	

Product	Code	Packing	Price in ₹
<b>Tumor Necrosis Factor (TNF)</b>			
<b>Human Recombinant Tumor Necrosis Factor alpha</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF085-10MCG	10mcg	
	CF085-50MCG	50mcg	
<b>Human Recombinant Tumor Necrosis Factor beta</b> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF086-5MCG	5mcg	
	CF086-20MCG	20mcg	
<b>Wnt</b>			
<b>Murine Recombinant Wnt3a Protein</b> <span style="color: red; font-weight: bold;">New</span> Source : <i>E.coli</i> Cell Culture Tested Store at -20°C	CF088-2MCG	2mcg	
	CF088-10MCG	10mcg	

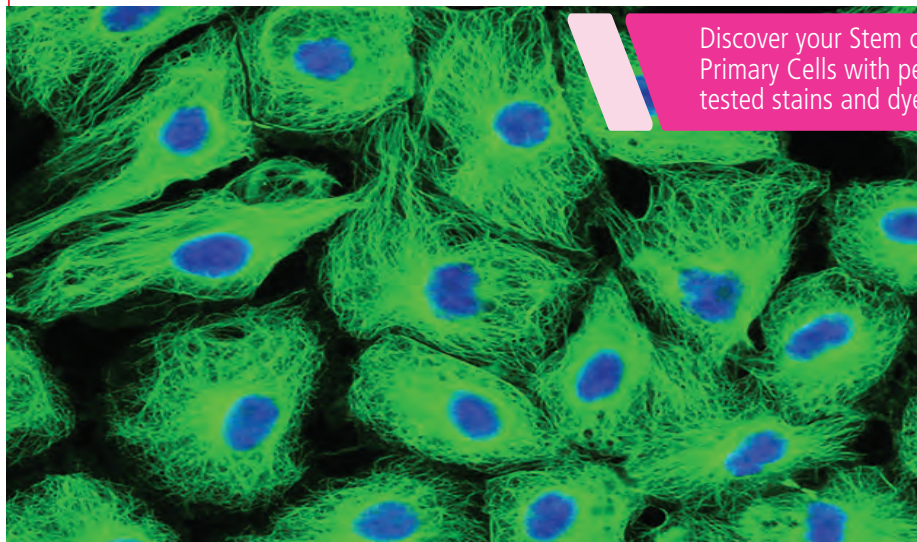
## Attachment Factors

<b>Bovine Pituitary Extract (BPE), Lyophilized</b> Source: Bovine Pituitary Cell Culture Tested Store at 2 - 8°C	CF089-15MG	15mg	
	CF089-5x15MG	5x15mg	
<b>Collagen I, Bovine, Lyophilized</b> Source: Synthetic Cell Culture Tested MW: 500-550 kDa Store at -20°C	CF090-30MG	30mg	
<b>Collagen I, Human</b> Source: Human Placenta Cell Culture Tested Store at -20°C	CF091-0.25MG	0.25mg	
	CF091-10MG	10mg	
<b>Collagen I, Rat</b> Source: Rat Tail Cell Culture Tested Store at 2 - 8°C	CF092-100MG	100mg	
	CF092-10x100MG	10x100mg	
<b>Collagen II, Bovine</b> Source: Bovine articular cartilage Cell Culture Tested Store at -70°C	CF093-5MG	5mg	
<b>Collagen IV, Human</b> Source: Human Placenta Cell Culture Tested Store at -70°C	CF094-0.25MG	0.25mg	
<b>Collagen IV, Mouse</b> Cell Culture Tested Store at -70°C	CF095-1MG	1mg	
<b>Collagen V, Human</b> Source: Human Placenta Cell Culture Tested Store at -20°C	CF096-0.25MG	0.25mg	

<b>Collagen VI, Human</b> Source: Human Placenta Cell Culture Tested Store at -20°C	CF097-500MCG	500mcg	
<b>Endothelial Cell Growth Supplement (ECGS) Lyophilized</b> Source: Bovine Brain Cell Culture Tested Store at 2 - 8°C	CF098-15MG	15mg	
	CF098-100MG	100mg	
<b>*Extracellular Matrix, Human</b> Source: Human Placenta Cell Culture Tested Store at -70°C	CF099-1MG	1mg	
<b>Fibronectin, Human Lyophilized</b> Source: Human Plasma Cell Culture Tested MW : 440-500 kDa Store at 2 - 8°C	CF100-1MG	1mg	
	CF100-5MG	5mg	
	CF100-5x5MG	5x5mg	
<b>Laminin, Mouse</b> Source: Engelbreth-Holm-Swarm (EHS) mouse tumor Cell Culture Tested MW : 900 kDa Activity: >90% by SDS-PAGE Store at -70°C	CF102-1MG	1mg	
<b>Laminin, Mouse, Ultrapure</b> Source: Engelbreth-Holm-Swarm (EHS) mouse tumor Cell Culture Tested MW : 900 kDa Activity: >95% by SDS-PAGE Store at -70°C	CF103-1MG	1mg	
<b>Recombinant Human Laminin 521</b> Store at -20°C	CF104-100MCG	100MCG	

Product	Code	Packing	Price in ₹
<b>Poly-D-Lysine, Lyophilized</b> Source: Synthetic Cell Culture Tested MW: 500-550 kDa Store at 2 - 8°C	CF105-20MG	20mg	

Product	Code	Packing	Price in ₹
<b>Human Vitronectin</b> Cell Culture Tested CAS : 83380-82-9 Store at -20°C	CF106-100MCG CF106-1MG	100mcg 1mg	



Discover your Stem cells and Primary Cells with performance tested stains and dyes

High purity  
 Performance tested  
 Variety of applications

Refer page no. 460 - 464



Cell based screening assays & Custom assay development services

**DRUG DISCOVERY**  
**Drug Screening • Toxicity Testing**  
 Portfolio offering high throughput screening assays for versatile applications like drug discovery, live monitoring of cell activity, cell proliferation, toxicity testing & basic research.

Refer page no. 455 - 457

## Troubleshooting Tips

Stem cells and primary cells are more sensitive and delicate as compared to the robust continuous cell lines hence require extreme precautions while handling, subculturing and thawing.

### Initial Handling upon Receipt

For any damage to the product upon receipt, report it immediately to the HiMedia marketing representative or technical team.


For any difficulty while handling or processing the cells please contact HiMedia technical team within a month after delivery :

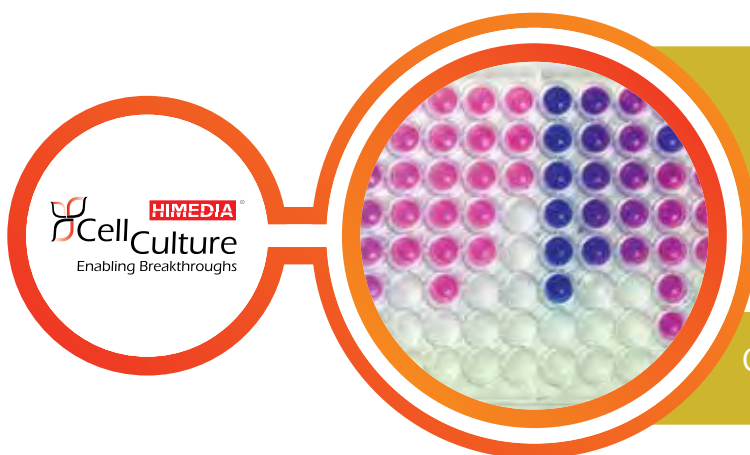
022-61169797 / 8356915020 or [atc@himedialabs.com](mailto:atc@himedialabs.com)

Following handling methods can lead to loss of cell viability, alteration in morphology and loss of attachment of cells.

1. Exposing the cryopreserved cells during thawing to warm temperatures (37°C) for more than 90 - 120 secs
2. Not giving medium change in 2-3 hours after thawing
3. Sub-culturing after the cells reach 100% confluence
4. Exposing the cells to trypsin for more than the recommended time during sub-culturing

### Storage and Handling of Proliferating Cells and Cryopreserved Cells

Proliferating Cells	Key Points to Remember	Cryopreserved Cells	Key Points to Remember
<p>→ <b>CHECK</b> Leakage during transport</p>	<p><b>Flask leaking or broken</b> Discard in bio-hazardous waste if required</p> <p><b>Intact flask</b> Remove the flask from plastic bag</p>	<p>Immediately transfer the vial to a <b>liquid nitrogen</b> tank upon receipt using forceps</p> <p><b>DO NOT hold the vial</b> in hand</p>	 <p><b>DO NOT freeze</b> the cells at <b>-80°C</b></p>
<p>→ <b>CHECK</b> Cell morphology and confluence</p> <p>Microscopic visibility of the cells is hampered due to flask filled to capacity</p>	 <p><b>DO NOT discard the medium!</b></p>	<p>→ <b>DURING THAWING</b></p> <p><b>DO NOT hold the vial</b> in water bath for more than 90-120secs</p> <p><b>AVOID</b> getting water up to the cap of the vial</p>	
<p>→ <b>CHECK</b> Incubate the cells for 3-4 hrs to allow floating cells to reattach to the surface</p>	 <p><b>DO NOT loosen one thread of the cap!</b></p>	<p>→ <b>DURING THAWING</b></p> <p><b>Dropwise addition</b> is required to prevent the cells from stress induced by exothermic reaction</p>	 <p>Thawing should be <b>AS FAST AS POSSIBLE</b> to minimize cell damage</p>
<p>Only after incubation, remove the medium and discard. Add fresh medium (adherent cells)</p>	 <p><b>Loosen one thread of the cap!</b></p>	<p>→ <b>AFTER THAWING</b></p> <p><b>Medium change after 2-3 hours</b> is mandatory to remove traces of DMSO</p>	



HiMedia supplies a broad range of cell based assays, stains and indicators dyes, that provide researchers a tool to study various aspects of cytotoxicity, cell cycle, enzymology and cell signaling.

## CELL ANALYSIS & DETECTION SOLUTIONS

Product	Prefix	Page
Cell Analysis Kits	CCK	455-456
Enzyme Assay Kits	CCK	457
Cell Cycle Analysis Kits	CCK	457
Cell Signalling Kits	CCK	457
Antioxidant Estimation Kits	CCK	457

Product	Prefix	Page
<b>Mycoplasma Detection and Elimination Platform</b>		
Mycoplasma Detection Kits	CCK	458-459
Mycoplasma Elimination Kits	CCK	458-459
<b>Stains and Indicator Dyes</b>	TC	460-464

# Cell Analysis and Detection Solutions

The broad range of cell based assays offered by HiMedia gives researchers tools to study extensively the aspects of cytotoxicity, cell cycle, enzymology and cell signaling.

We provide accurate, sensitive and reliable detection methods and robust and successful elimination methods for mycoplasma contamination in cell cultures.

Our catalog includes a number of stains and indicators dyes including nuclear and cytoplasmic stains, DNA/ RNA-binding stains, viability stains or stains specific to any cell organelle used in cell culture on routine basis for particular applications.

Manual errors, person-to-person variation, inability to count aggregates, makes cell counting one of the most critical challenge in cell culture. To help cell biologists circumvent this challenge, we have introduced CASY - a

robust, reproducible and reliable cell counter based on the principle of electrical current exclusion, CASY tracks all relevant parameters of cell culture including cell count, cell viability, cell size and aggregation at extremely low running costs. With a detection range of 0.7 to 120  $\mu\text{m}$ , this is the only machine in the market that counts mammalian cells and stem cells as well as bacteria, yeast, algae, parasites, sperms etc. We guarantee CASY's legendary reliability as it comes with as certified life time calibration, integrated QA system, GLP/GMP compliance and 21 CFR Part 11 compliance.

**For more info :**

atc@himedialabs.com | www.himedialabs.com

## Membrane Permeability

- LDH Homogeneous (CCK058)
- LDH (CCK036)

## Lysosomal Activity

- Neutral red (CCK034)

## DNA Content

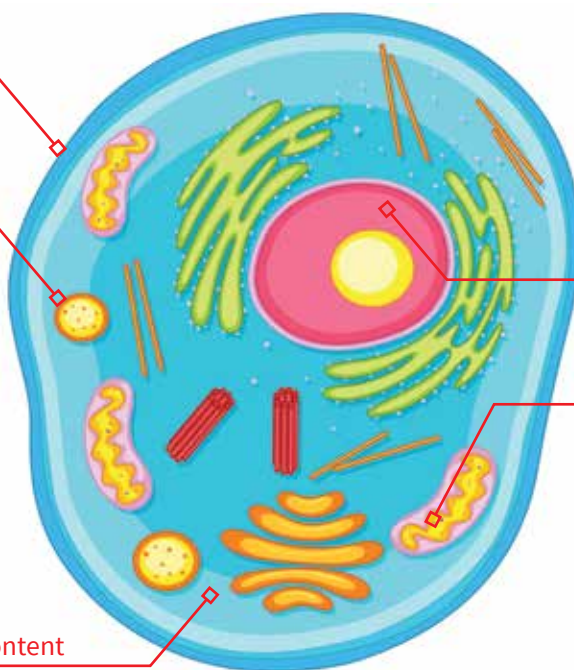
- BrdU (CCK031)

## Mitochondrial Activity

- ATP (CCK051)
- WST-8 (CCK074)
- WST-1 (CCK032)
- MTS (CCK053)
- MTS (CCK070)
- XTT (CCK015)
- MTT (CCK003)
- EZBlue (CCK004)

## Protein Content

- Sulphorhodamine B (CCK052)



## Cell Analysis Kits

Robust

Sensitive

Intra-Assay Variation

NMT 10%

Inter-Assay Variation

NMT 15%

Bioprocess involve wide range of cell viability/cytotoxicity kits to check the efficacy of biosimilars. EZcount™ range of cell viability kits offer a wide range of ready to use reagents and standards needed for detection. The family of kits offers tools for flexible assay designs to evaluate compound effects in end-point assays or for long term studies in live cells. Operating instructions provided are simple to follow, accurate and ensure consistent repeatable results.

### Cell viability kits based on nuclear DNA content

EZcount™ BrdU Cell Assay Kit	CCK031-1000	1000 tests
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### Cell viability kits based on Cellular ATP content

EZcount™ ATP Cell Assay Kit	CCK051-1000	1000 tests
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### Cell viability kits based on metabolic activity

EZcount™ WST-8 Cell Assay Kit	CCK074-1000	1000 tests
	CCK074-3000	3000 tests

EZcount™ WST-1 Cell Assay Kit	CCK032-1000	1000 tests
	CCK032-2500	2500 tests

EZcount™ MTS Cell Assay Kit	CCK053-1000	1000 tests
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EZcount™ MTS Homogenous Cell Assay Kit	CCK070-1000	1000 tests
	CCK070-5000	5000 tests

EZcount™ XTT Cell Assay Kit	CCK015-1000	1000 tests
	CCK015-2500	2500 tests

EZcount™ MTT Cell Assay Kit	CCK003-1000	1000 tests
	CCK003-2500	2500 tests

EZBlue™ Cell Assay Kit EZBlue™ solution is a resazurin based solution equivalent to Alamar Blue®	CCK004-2500	2500 tests
	CCK004-10000	10000 tests

### Cell viability kits based on detection of intracellular components

EZcount™ Neutral Red Cell Assay Kit	CCK034-1000	1000 tests
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EZcount™ Sulphorhodamine B Cell Assay Kit	CCK052-1000	1000 tests
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### Cell cytotoxicity kits based on enzyme release

EZcount™ Lactate Dehydrogenase Cell Assay Kit	CCK036-500	500 tests
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EZcount™ LDH Cell Assay Kit, Homogeneous	CCK058-500	500 tests
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EZcount™ G6PD Cell Assay Kit	CCK069-500	500 tests
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All the above kits contain reagents sufficient for specified number of tests in a 96 well plate

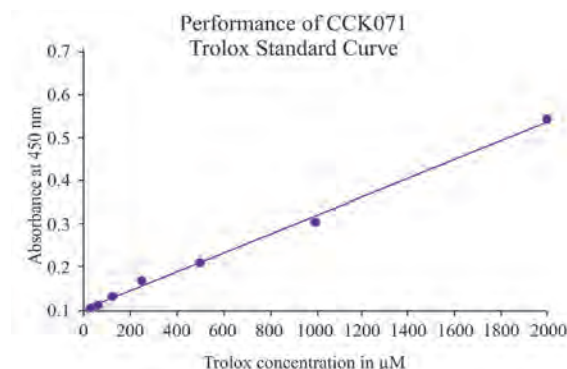
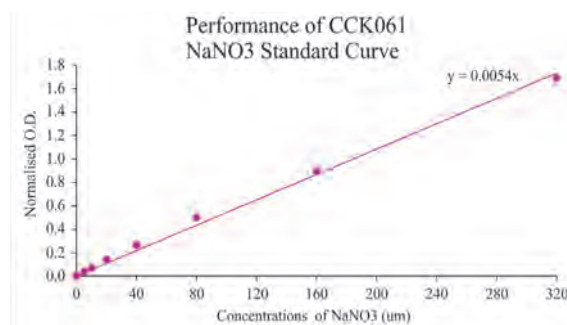
ACC



Name	Code	Principle	Detection method	Sensitivity	No. of tests
Cell viability kit based on cellular ATP content					
EZcount™ ATP Cell Assay Kit	CCK051	Luciferase catalyzed ATP dependent conversion of Luciferin into light	Luminescence	<1 µM	1000
Cell viability kits based on metabolic activity					
EZcount™ WST-8 Cell Assay Kit	CCK074	Reduction of tetrazolium salt to respective formazan product mediated by mitochondrial dehydrogenases	Colorimetric detection: Absorbance at 450 nm	100 cells per well	1000, 3000
EZcount™ WST-1 Cell Assay Kit	CCK032		Colorimetric detection: Absorbance at 420 - 480nm	125 cells per well	1000
EZcount™ MTS Cell Assay Kit	CCK053		Colorimetric detection: Absorbance at 490nm	125 cells per well	1000
EZcount™ MTS Homogenous Cell Assay Kit	CCK070		Colorimetric detection: Absorbance at 490nm	125 cells per well	1000
EZcount™ XTT Cell Assay Kit	CCK015		Colorimetric detection: Absorbance at 450 - 490nm	125 cells per well	1000
EZcount™ MTT Cell Assay Kit	CCK003		Colorimetric detection: Absorbance at 570nm	750 cells per well	1000
EZ Blue™ Cell Assay Kit	CCK004	Reduction of Resazurin to Resorufin by NADH equivalents in live cells	Colorimetric detection: Absorbance at 570 – 580nm Fluorometric detection: 560nm EX /590nm EM	2000 cells per well	1000, 2500
Cell viability kits based on nuclear DNA content					
EZcount™ BrdU Cell Assay Kit	CCK031	Detection of BrdU incorporated into DNA by anti-BrdU-HRP	Colorimetric detection: Absorbance at 450 nm	500 cells per well	1000
Cell viability kits based on detection of intracellular components					
EZcount™ Sulphorhodamine B Cell Assay Kit	CCK052	Sulphorhodamine B staining of intracellular proteins	Colorimetric detection: Absorbance at 565nm OR 490 – 530nm	5000 cells per well	1000
EZcount™ Neutral Red Cell Assay Kit	CCK034	Neutral red uptake by cellular lysosomes	Colorimetric detection: Absorbance at 540nm	5000 cells per well	1000
Cell cytotoxicity kits based on enzyme release					
EZcount™ Lactate Dehydrogenase Cell Assay Kit	CCK036	Conversion of lactate to pyruvate catalyzed by LDH released from damaged cells	Absorbance @ 490nm	1000 cells per well	500
EZcount™ LDH Cell Assay Kit, Homogeneous	CCK058		Absorbance @ 570nm	1000 cells per well	500
EZcount™ G6PD Cell Assay Kit	CCK069	Conversion of lactate to pyruvate catalyzed by G6PD released from damaged cells	Absorbance 540nm and Fluorescence 590nm Colorimetric/ Fluorometric	1000 cells per well	500

Product	Code	Packing	Price in ₹
<b>Enzyme Assay Kits</b>			
<b>EZAssay™ Alkaline Phosphatase Activity Estimation Kit</b>	<b>CCK035-100</b>	<b>100 tests in 1ml tube format</b>	
<b>EZAssay™ Glutamine Glutamate Determination Kit</b>	<b>CCK037-100</b>	<b>Kit for 100 tests in 1ml tube format</b>	
<b>EZAssay™ TBARS Estimation Kit for Lipid Peroxidation</b>	<b>CCK023-100</b>	<b>Kit for 100 tests in 1ml tube format</b>	
<b>EZAssay™ GST Activity Estimation Kit</b>	<b>CCK028-100</b>	<b>Kit for 100 tests in 1ml tube format</b>	
<b>Cell Cycle Analysis Kits</b>			
<b>EZdetect™ Cell Senescence Detection Kit</b> Senescent cells exhibit acidic $\beta$ -Galactosidase activity <i>in vitro</i> . EZdetect™ Cell Senescence Detection Kit is a easy-to-use kit designed for <i>in vitro</i> detection of senescent cells based on senescence associated $\beta$ -Gal activity (SA- $\beta$ -Gal). $\beta$ -galactosidase hydrolyzes X-gal and makes the senescent cells appear blue coloured.	<b>CCK063-100</b>	<b>Kit for 100 tests in a 35mm dish</b>	
<b>EZAssay™ Mitochondrial Membrane Potential Assay Kit with JC-1</b> This kit contains JC-1, a cationic dye that accumulates in mitochondria. In absence of Mitochondrial Membrane Potential (MMP), cells fluoresce green and metabolically active mitochondria fluoresce red. It is used for monitoring, screening apoptosis inhibitors and activators.	<b>CCK079-200</b>	<b>Kit for 200 tests in 96 well</b>	
<b>Cell Signalling Kits</b>			
<b>EZAssay™ Nitric Oxide Estimation Kit</b> EZAssay™ Nitric Oxide Estimation Kit is an easy to use kit for estimation of nitric oxide based on Griess reagent system by spectrophotometric method. Nitric oxide rapidly degrades in aqueous solution to form nitrate and nitrite. The kit estimates total nitric oxide by estimating both nitrate and nitrite.	<b>CCK061-200</b>	<b>Kit for 200 tests in 96 well format</b>	

Product	Code	Packing	Price in ₹
<b>Antioxidant Estimation Kits</b>			
<b>EZAssay™ Antioxidant Activity Estimation Kit (CUPRAC)</b> This kit is based on ability of antioxidants in the sample to reduce copper(II)-chromogen oxidant complex. Absorbance of the reduced copper(II)-chromogen complex is indicative of antioxidant capacity of the test sample. The kit can be used for estimation of total antioxidant capacity of biological samples such as serum, plasma, tissue homogenates and cell lysates.	<b>CCK071-200</b>	<b>Kit for 200 tests in 96 well format</b>	
<b>EZAssay™ Antioxidant Activity Estimation Kit (FRAP)</b> This kit is based on ability of antioxidants in the sample to reduce Ferric(III)-chromogen oxidant colourless complex to blue colored Ferrous (II)-chromogen complex. Absorbance of the reduced complex is indicative of antioxidant capacity of the test sample. The kit can be used for estimation of total antioxidant capacity of biological samples such as serum, plasma, tissue homogenates and cell lysates.	<b>CCK072-200</b>	<b>Kit for 200 tests in 96 well format</b>	
<b>EZAssay™ Reactive Oxygen Species Assay Kit (FRAP)</b> This kit is based on fluorogenic dye that measures hydroxyl, peroxy and other reactive oxygen species (ROS) activity within the cell.	<b>CCK078-200</b>	<b>Kit for 200 tests in 96 well format</b>	



Store kit contents as per storage temperatures of individual components

## Mycoplasma Detection and Elimination Platform

### “MYCOPLASMA A THREAT...”

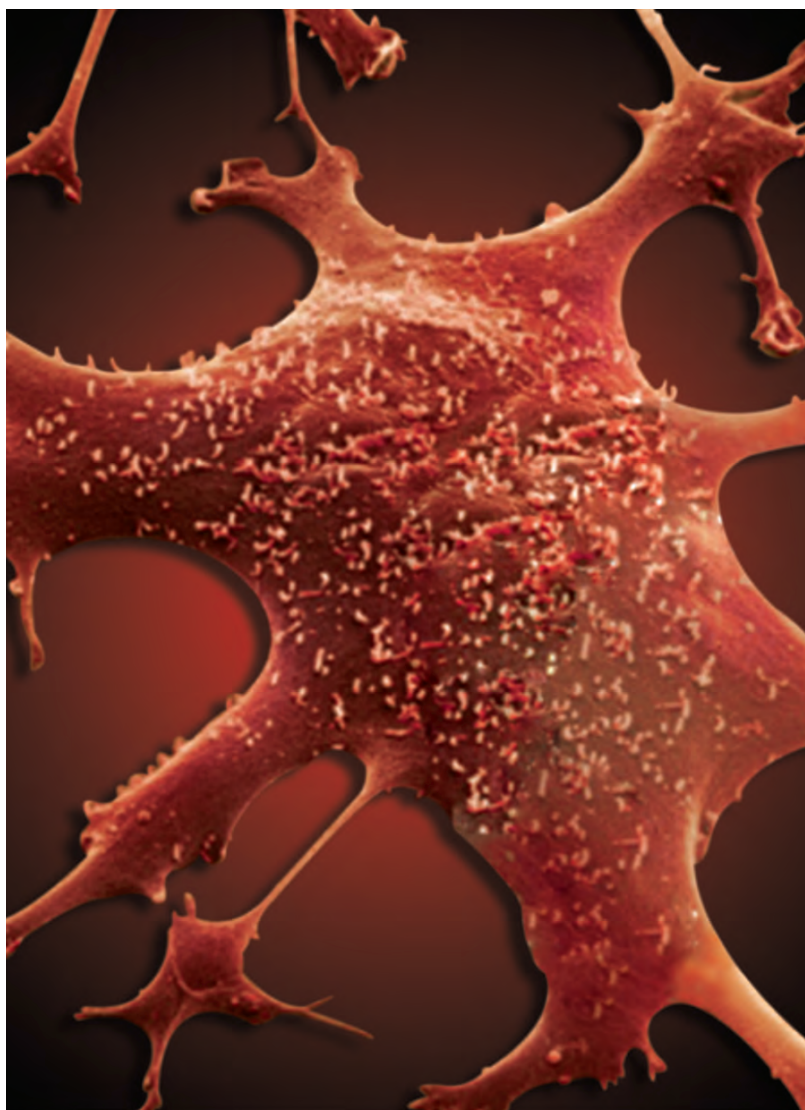
Erroneous result of cell  
based assays

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Reduced reproducibility  
of experiments

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Decreased productivity  
of your cell lines



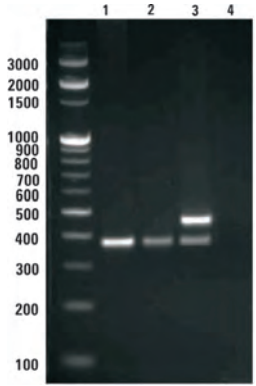
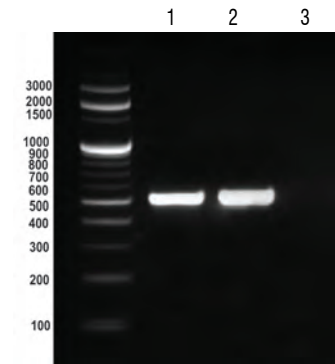
**“Test your  
cultures  
before they  
test your  
patience”**

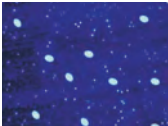
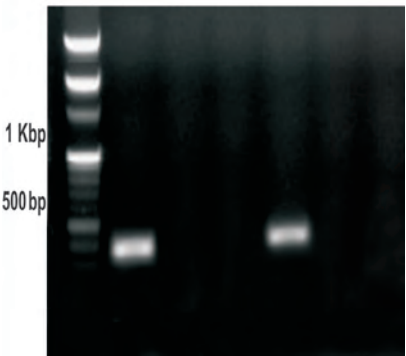
### WANT TO PUBLISH YOUR RESULTS IN A HIGH IMPACT JOURNAL

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15 - 35% continuous cell lines, 5% early passage cell cultures, 1% primary cell cultures are infected with Mycoplasma.

Regular testing is a recommendation and a mandatory requirement of many reputed journals.

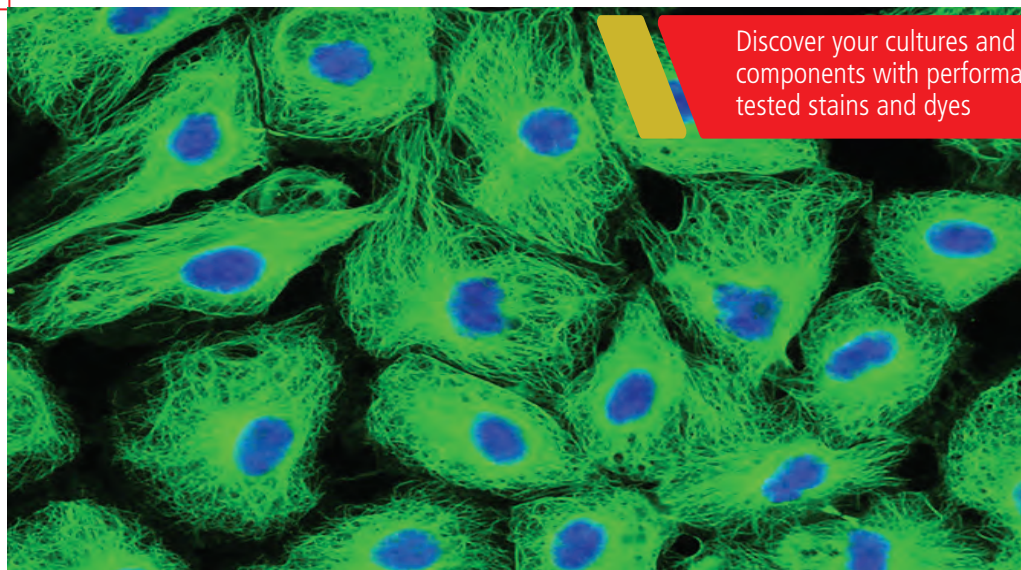
Product	Code	Packing	Price in ₹
<b>Mycoplasma Detection Kits</b>			
<b>EZdetect™ PCR kit for Mycoplasma detection</b> <b>Based on 16S-23S rRNA spacer region</b> Kit Contents: a) Lysis Buffer b) Primer Mix c) dNTP Mix d) Magnesium chloride solution e) Taq polymerase f) Water (DNAse, RNAse free) g) Positive Control DNA	CCK009-25R	Kit for 25 reactions	
 <p>1. Positive Control            2. Positive sample infected with 1 species            3. Positive sample infected with 2 species            4. Negative Control</p>			
<b>EZdetect™ PCR kit for Mycoplasma detection</b> <b>Based on 16S rRNA sequence</b> Kit Contents: a) PCR Master Mix b) Taq polymerase c) Positive DNA Control d) Water (DNAse and RNAse free)	CCK022-25R	Kit for 25 reactions	
 <p>1. Test Sample Infected with mycoplasma            2. Positive control            3. Negative Control</p>			
Gel run in 1X TAE buffer showing amplification of positive DNA ( <i>M. Hominis</i> gDNA) and mycoplasma from infected cultures.			

Product	Code	Packing	Price in ₹
<b>EZdetect™ DAPI Stain Kit for Mycoplasma Detection</b> Kit Contents: a) Hanks' Balanced Salt Solution 10X b) DAPI Stain Solution 10X c) Mounting Medium	CCK007-100NO	Kit for 100 tests	
			
<b>EZdetect™ Hoechst Stain Kit for Mycoplasma Detection</b> Kit Contents: a) Hanks' Balanced Salt Solution 10X b) Hoechst 33258 Stain Solution 10X c) Mounting Medium	CCK008-100NO	Kit for 100 tests	
<b>Mycoplasma Elimination Kits</b>			
<b>EZkill™ Mycoplasma Elimination Kit</b> Kit Contents: a) EZKill™ Solution I 100X b) EZKill™ Solution II 100X	CCK006-1KT	1 kit	
 <p>U T T U T T</p> <p>U : Untreated control-CHO cells infected with Mycoplasma            T : CHO cells infected with Mycoplasma and treated with EZkill™</p>			

Launching soon

**Telomere assay Kit**

## Stains and Indicator Dyes



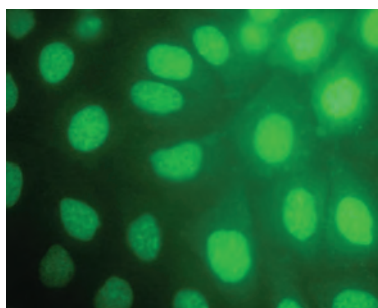
Discover your cultures and cellular components with performance tested stains and dyes

High purity  
Performance tested  
Variety of applications

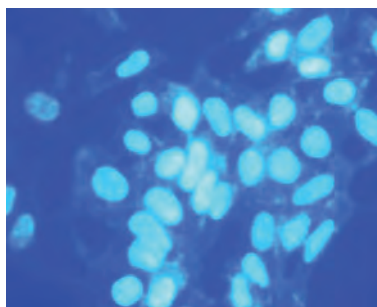
Live/Dead Cell Stains		Stem Cell Differentiation Indicator Dyes	Blood Cell Stains	Stains for Histology	pH Indicators
Fluorescent	Non-fluorescent				
Acridine orange	Crystal Violet	Alcian blue 8GX	Giemsa stain	Eosin blue disodium salt	Phenol red
Acridine yellow	Neutral Red	Alizarin Red S	New Methylene Blue	Eosin-methylene blue	
Bisbenzimidazole (Hoechst 33258)	Sulphorhodamine B sodium salt	Oil red O	Reticulocyte Staining Solution	Eosin Yellow disodium salt	
Bisbenzimidazole (Hoechst 33342)	Erythrocin B 0.1% Solution	Safranin		Hematoxylin stain	
Calcein AM	Trypan blue	Toluidine Blue O		Carmine	
CFDA					
DAPI dihydrochloride					
Diacetyl fluorescein					
DiD perchlorate *Oil*					
*Ethidium homodimer					
Fluo-4 AM					
Fluorescein sodium salt					
Fluorescein isothiocyanate					
Propidium iodide					
SRB sulfonyl chloride					

Product	Code	Packing	Price in ₹
<b>Live/ Dead Cell Stains</b>			
<b>Fluorescent</b>			
<b>Acridine orange</b> Cell Culture Tested C.I. No. : 46005 $C_{17}H_{20}ClN_3.HCl \cdot \frac{1}{2}ZnCl_2$ MW : 369.96 CAS : 10127-02-3 Store below 30°C	TC262-5G TC262-10G TC262-25G TC262-100G	5gm 10gm 25gm 100gm	
<b>Acridine yellow</b> Cell Culture Tested C.I. No. : 46025 $C_{15}H_{15}N_3.HCl$ MW : 273.76 CAS : 135-49-9 Store below 30°C	TC716-5G	5gm	
<b>Bisbenzimidazole (Hoechst 33258)</b> Cell Culture Tested $C_{25}H_{24}N_6O_3.HCl$ MW : 533.88 CAS : 23491-45-4 Assay : ≥98% Store at 2 - 8°C	TC225-25MG TC225-100MG	25mg 100mg	
<b>Bisbenzimidazole (Hoechst 33342)</b> Cell Culture Tested $C_{27}H_{28}N_6O_3.HCl \cdot xH_2O$ MW : 561.93 CAS : 23491-52-3 Assay : ≥98% Store at 2 - 8°C	TC266-25MG TC266-100MG	25mg 100mg	
<b>Calcein AM</b> Calcein O,O'-diacetate tetrakis(acetoxymethyl) ester Cell Culture Tested $C_{46}H_{46}N_2O_{23}$ MW : 994.86 CAS : 148504-34-1 Assay : ≥90% Store at -20°C	TC474-1MG TC474-5MG	1mg 5mg	
<b>CFDA</b> [5-(and 6)-Carboxyfluorescein diacetate] *Mixed isomers* Cell Culture Tested $C_{25}H_{16}O_9$ MW : 460.39 CAS : 124387-19-5 Assay : ≥90% Store at -20°C	TC725-25MG TC725-100MG	25mg 100mg	

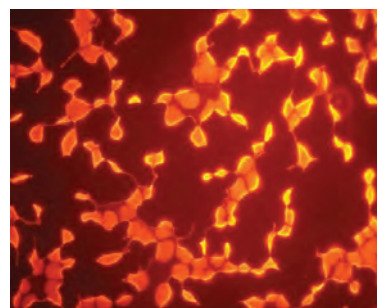
Product	Code	Packing	Price in ₹
<b>DAPI dihydrochloride</b> (4',6-Diamidino-2-phenylindole dihydrochloride) Cell Culture Tested $C_{16}H_{11}N_5 \cdot 2HCl$ MW : 350.25 CAS : 28718-90-3 Assay : ≥98% Store at 2 - 8°C	TC229-5MG TC229-10MG	5mg 10mg	
<b>Diacetyl fluorescein</b> Cell Culture Tested $C_{24}H_{16}O_7$ MW : 416.38 CAS : 596-09-8 Store at 2 - 8°C	TC718-5G TC718-10G TC718-25G	5gm 10gm 25gm	
<b>DiI diiodide perchlorate *Oil*</b> (1,1'-Diiodo-3,3',3'-tetramethylindocarbocyanine perchlorate) Cell Culture Tested $C_{27}H_{18}Cl_2N_6O_4S$ MW : 959.00 CAS : 127274-91-3 Store at -20°C	TC726-5MG TC726-10MG	5mg 10mg	
<b>Ethidium homodimer</b> EtDi, EthD-1 Cell Culture Tested $C_{46}H_{50}Cl_2N_8$ MW : 856.75 CAS : 61926-22-5 Assay : ≥85% Store at -20°C	TC473-1MG TC473-5MG	1mg 5mg	
<b>Fluo-4 AM</b> Cell Culture Tested $C_{51}H_{51}F_3N_7O_{23}$ MW : 1096.95 CAS : 273221-67-3 Store at -20°C	TC724-500µL	500µl	
<b>Fluorescein diacetate</b> <span style="color: red;">New</span> Cell Culture Tested $C_{24}H_{16}O_7$ MW : 416.38 CAS : 596-09-8 Store at 2 - 8°C	TC737-5G TC737-10G TC737-25G TC737-100G	5gm 10gm 25gm 100gm	
<b>Fluorescein sodium salt</b> Cell Culture Tested C.I.No.: 45350 $C_{20}H_{10}O_5Na_2$ MW : 376.27 CAS : 518-47-8 Assay : ≥98% Store below 30°C	TC719-100G TC719-500G	100gm 500gm	



Cell DNA stained with **acridine orange** (100X)



Nuclei of HEK cells stained with **DAPI** (40X)



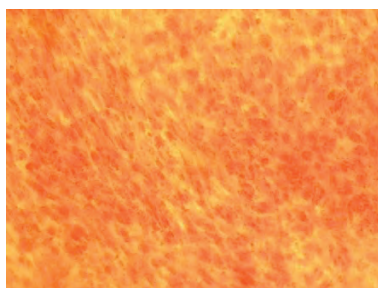
CHO cells stained with **propidium iodide** (40X)

Product	Code	Packing	Price in ₹
<b>Fluorescein isothiocyanate</b> Cell Culture Tested $C_{21}H_{11}NO_5S$ MW : 389.38 CAS : 3326-32-7 Assay : $\geq 98\%$ Store at 2 - 8°C	TC720-50MG TC720-100MG	50mg 100mg	
<b>Propidium iodide</b> Cell Culture Tested $C_{27}H_{34}I_2N_4$ MW : 668.39 CAS:25535-16-4 Assay : $\geq 95\%$ Store below 30°C	TC252-25MG TC252-100MG TC252-250MG TC252-1G	25mg 100mg 250mg 1gm	
<b>SRB sulfonyl chloride</b> (Sulforhodamine B sulfonyl chloride) Cell Culture Tested $C_{27}H_{29}ClN_2O_6S_2$ MW : 577.11 CAS: 62796-29-6 Store at -20°C	TC727-25MG	25mg	
<b>Non-Fluorescent</b>			
<b>Crystal Violet</b> Cell Culture Tested Store below 30°C	TC510-10G TC510-25G TC510-100G	10gm 25gm 100gm	
<b>Neutral Red</b> 3-Amino-7-dimethylamino-2-methylphenazine hydrochloride, Basic Red 5, Toluylene red Cell Culture Tested C.I.No.: 50040 $C_{15}H_{13}ClN_4$ MW : 288.78 CAS : 553-24-2 Store below 30°C	TC448-1G TC448-5G TC448-25G	1gm 5gm 25gm	
<b>Sulphorhodamine B sodium salt</b> Cell Culture Tested C.I.No.: 45100 $C_{27}H_{29}N_2NaO_6S_2$ MW : 580.65 CAS:3520-42-1 Store below 30°C	TC478-1G TC478-5G TC478-25G	1gm 5gm 25gm	

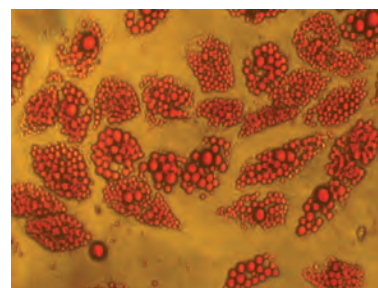
Product	Code	Packing	Price in ₹
<b>Trypan blue</b> C.I.No.: 23850 Cell Culture Tested $C_{23}H_{24}N_6O_{14}S_4Na_4$ MW : 960.81 CAS : 72-57-1 Store below 30°C	TC193-5G TC193-25G TC193-100G	5gm 25gm 100gm	
<b>Trypan blue 0.4% Solution in Dulbecco's Phosphate Buffered Saline</b> Store below 30°C	TCL046-100ML	100ml 5x100ml	
<b>Trypan blue 0.5% Solution in Dulbecco's Phosphate Buffered Saline</b> Store below 30°C	TCL005-100ML	100ml 5x100ml	
<b>Stem Cell Differentiation Indicator Dyes</b>			
<b>Alcian blue 8GX</b> Cell Culture Tested C.I. No. : 74240 $C_{26}H_{68}ClCuN_{16}S_7$ MW : 1298.86 CAS : 33864-99-2 Assay : $\geq 99.50\%$ Store below 30°C	TC359-10G TC359-25G	10gm 25gm	
<b>Alizarin Red S</b> Cell Culture Tested C.I. No. : 58005 $C_{14}H_7NaO_7S$ MW : 342.26 CAS:130-22-3 Store below 30°C	TC255-25G	25gm	
<b>Nile Red</b> Cell Culture Tested $C_{27}H_{18}N_2O_2$ MW : 318.37 CAS : 7385-67-3 Store below 30°C	TC707-100MG	100mg	
<b>Oil red O</b> Cell Culture Tested $C_{26}H_{28}N_2O$ MW : 408.49 CAS:1320-06-5 Store below 30°C	TC256-25G TC256-100G	25gm 100gm	



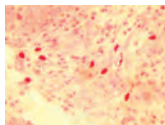
**Alcian Blue** staining of Chondrocytic Differentiation of HWJ-MSC in HiChondroXL™ Chondrocyte Differentiation Medium (20X)



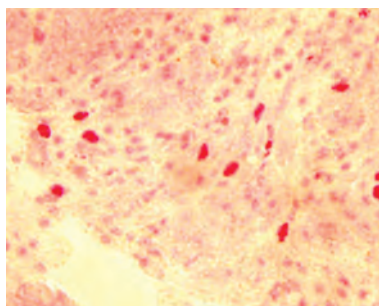
Calcium deposits in mesenchymal stem cells differentiated into osteocytes stained red in colour by **Alizarin Red S** (40X)



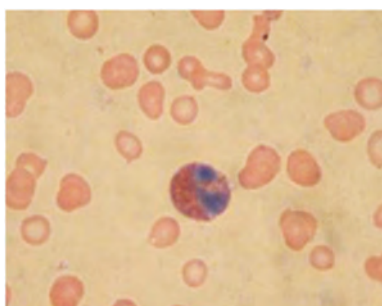
Human adult mesenchymal stem cells differentiated into adipocytes  
Lipid droplets stained bright red/orange with **Oil Red O** staining solution (40X)

Product	Code	Packing	Price in ₹
<b>Safranin</b> Cell Culture Tested C.I.No.: 50240 $C_{20}H_{19}ClN_3$ MW : 350.84 CAS:477-73-6 Store below 30°C	TC260-10G TC260-25G TC260-100G	10gm 25gm 100gm	
<b>Toluidine Blue O</b> Cell Culture Tested C.I.No.: 52040 $C_{15}H_{16}ClN_3S$ MW : 305.83 CAS : 92-31-9 Store below 30°C	TC257-5G TC257-25G	5gm 25gm	
<b>Stains for Histology</b>			
<b>Acid fuchsin</b> Cell Culture Tested C.I.No.: 42685 $C_{20}H_{17}N_3Na_2O_5S_3$ MW : 585.54 CAS : 3244-88-0 Store below 30°C	TC714-25G TC714-50G	25gm 50gm	
<b>Basic fuchsin</b> Cell Culture Tested C.I.No.: 42510 $C_{20}H_{20}ClN_3$ MW : 337.85 CAS : 632-99-5 Store below 30°C	TC715-25G TC715-100G	25gm 100gm	
<b>Carmine</b> Cell Culture Tested C.I.No. : 75470 CAS:1390-65-4 Store below 30°C 	TC264-5G TC264-25G TC264-100G	5gm 25gm 100gm	
<b>Cresyl violet acetate</b> Cell Culture Tested $C_8H_{15}N_3O_3$ MW : 321.33 CAS: 10510-54-0 Store below 30°C	TC710-5G TC710-25G	5gm 25gm	

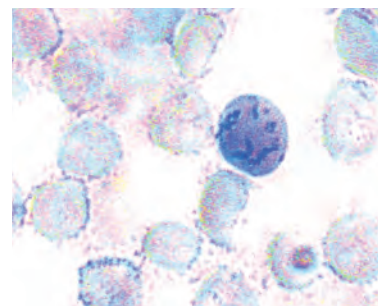
Product	Code	Packing	Price in ₹
<b>Eosin blue disodium salt</b> (Eosin B, Eosin bluish) Cell Culture Tested C.I.No.: 45400 $C_{20}H_6N_2O_9Br_2Na_2$ MW : 624.06 CAS : 548-24-3 Store below 30°C	TC258-10G TC258-25G	10gm 25gm	
<b>Eosin-methylene blue</b> (Jenner's stain) Cell Culture Tested CAS : 62851-42-7 Store below 30°C	TC263-25G TC263-100G	25gm 100gm	
<b>Eosin Yellow disodium salt</b> (Eosin Y, Eosin yellowish) Cell Culture Tested C.I. No. : 45380 $C_{20}H_6Br_2Na_2O_5$ MW : 691.85 CAS : 17372-87-1 Store below 30°C	TC357-10G TC357-25G	10gm 25gm	
<b>Hematoxylin stain</b> Cell Culture Tested C.I.No.: 75290 $C_{16}H_{14}O_6 \cdot xH_2O$ MW : 302.28 CAS : 517-28-2 (anhydrous basis) Store below 30°C	TC259-25G TC259-100G	25gm 100gm	
<b>Janus green B</b> Cell Culture Tested C.I.No.: 11050 $C_{30}H_{31}ClN_6$ MW : 511.06 CAS: 2869-83-2 Store below 30°C	TC712-5G TC712-25G	5gm 25gm	
<b>Sudan Black B</b> Cell Culture Tested $C_{29}H_{24}N_6$ MW : 456.54 CAS: 4197-25-5 Store below 30°C	TC709-5G TC709-25G	5gm 25gm	



Hepatocytes in liver stained with **Carmine** (40X)

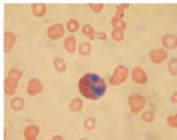
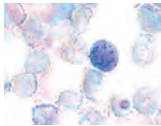


Blood smear stained with **Giemsa** (40X)



Reticulocyte in blood smear stained with **Reticulocyte staining solution** (100 X)



Product	Code	Packing	Price in ₹
<b>Blood Cell Stains</b>			
<b>Giemsa stain</b> Cell Culture Tested $C_{14}H_{17}ClN_3S$ MW : 291.8 Store below 30°C 	TC232-5G TC232-25G CAS : 51811-82-6	5gm 25gm	
<b>New Methylene Blue N Zinc chloride double salt</b> Cell Culture Tested $C_{18}H_{22}ClN_3S_0.5ZnCl_2$ MW : 416.05 Store below 30°C	TC356-10G CAS : 6586-05-6	10gm	
<b>Giemsa Stain Solution</b> Store below 30°C	TCL083-100ML TCL083-500ML	100ml 500ml	
<b>Reticulocyte Staining Solution</b> Store below 30°C 	TCL115-100ML	100ml	

Product	Code	Packing	Price in ₹
<b>Anti-Fade Solutions</b>			
<b>Anti Q™ Antiquencher mounting reagent</b> Store below 30°C	TCL193-1ML TCL193-10ML	1ml 10ml	
<b>Anti Q™-PI</b> Anti Q -Antiquencher mounting reagent with PI (Propidium iodide) Store below 30°C	TCL194-1ML TCL194-10ML	1ml 10ml	
<b>Anti Q™-DAPI</b> Anti Q -Antiquencher mounting reagent with DAPI (4',6-diamidino-2-phenylindole) Store below 30°C	TCL195-1ML TCL195-10ML	1ml 10ml	
<b>pH Indicators</b>			
<b>Phenol red sodium salt</b> Cell Culture Tested $C_{19}H_{13}NaO_5S$ MW : 376.36 Store below 30°C	TC045-5G TC045-25G TC045-50G CAS : 34487-61-1	5gm 25gm 50gm	
<b>Phenol red 0.5% Solution in Dulbecco's Phosphate Buffered Saline</b> Store below 30°C	TCL004-100ML	100ml	

Cell based screening assays & Custom assay development services

**DRUG DISCOVERY**

Drug Screening • Toxicity Testing

Portfolio offering high throughput screening assays for versatile applications like drug discovery, live monitoring of cell activity, cell proliferation, toxicity testing & basic research.



HiMedia supplies a comprehensive range of chemicals and specialty chemicals that are tested for cell culture applications. Our product portfolio also includes chemicals meeting United States Pharmacopoeia (USP), European Pharmacopoeia, British Pharmacopoeia (EP) Japanese Pharmacopoeia and Indian Pharmacopoeia testing specifications.

## CELL CULTURE TESTED CHEMICALS

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## Cell Culture Tested Chemicals

HiMedia is one of the leading supplier of comprehensive range of chemicals and specialty chemicals including amino acids, antibiotics, growth factors, biochemicals, cell dissociation and cryopreservation reagents used in cell culture. These chemicals apart from the analytical testing undergo cell culture test to verify their suitability in cell culture application.

In view of the challenges that some companies face in responding to an increasingly complex regulatory compliance, we provide quality grade chemicals meeting United States Pharmacopoeia (USP), European Pharmacopoeia, British Pharmacopoeia (EP), Japanese Pharmacopoeia and Indian Pharmacopoeia testing specifications. Every lot released for supply is provided with a detailed Certificate of Analysis (COA) defining the


product specifications.

Multicompendial Biopharmaceutical Grade Chemicals are

- USP, EP, JP, BP & IP compliant
- Reduce regulatory hassles
- Complete documentation available
- Guaranteed quality and consistency

**For more info :**

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Multicompendial  
Biopharmaceutical  
Grade Chemicals

SAFETY  
FIRST



Product	Code	Packing	\$Price in ₹
<b>Amino Acids</b>			
<b>N-Acetyl-L-cysteine</b> (From non-animal source) Cell Culture Tested C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> S MW : 163.19 CAS : 616-91-1 Assay : ≥98% Store at 2 - 8°C	TC054-5G	5gm	
	TC054-25G	25gm	
	TC054-100G	100gm	
	TC054-500G	500gm	
<b>N-Acetyl-L-tyrosine</b> (From non-animal source) Cell Culture Tested C <sub>11</sub> H <sub>13</sub> NO <sub>4</sub> MW : 223.23 CAS : 537-55-3 Assay : ≥98% Store at 2 - 8°C	TC055-5G	5gm	
	TC055-25G	25gm	
	TC055-100G	100gm	
	TC055-500G	500gm	
<b>L-Alanine</b> (From non-animal source) Cell Culture Tested C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> MW : 89.09 CAS : 56-41-7 Assay : ≥99% Store below 30°C	TC056-25G	25gm	
	TC056-100G	100gm	
	TC056-500G	500gm	
	TC056-1KG	1kg	
<b>L-Alanyl-L-glutamine</b> (Glutamine-S) Cell Culture Tested C <sub>8</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub> MW : 217.22 CAS : 39537-23-0 Assay : ≥98% Store below 30°C	TC089-5G	5gm	
	TC089-25G	25gm	
	TC089-100G	100gm	
	TC089-500G	500gm	
<b>L-Arginine</b> (From non-animal source) Cell Culture Tested C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> MW : 174.2 CAS : 74-79-3 Assay : ≥98% Store below 30°C	TC052-25G	25gm	
	TC052-100G	100gm	
	TC052-500G	500gm	
	TC052-1KG	1kg	
<b>L-Arginine monohydrochloride</b> (From non-animal source) Cell Culture Tested C <sub>7</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> .HCl MW : 210.66 CAS : 1119-34-2 Assay : ≥98.5% Store below 30°C	TC053-25G	25gm	
	TC053-100G	100gm	
	TC053-500G	500gm	
	TC053-1KG	1kg	
<b>L-Asparagine monohydrate</b> (From non-animal source) Cell Culture Tested C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> .H <sub>2</sub> O MW : 150.13 CAS : 5794-13-8 Assay : ≥99% Store below 30°C	TC057-25G	25gm	
	TC057-100G	100gm	
	TC057-500G	500gm	
	TC057-1KG	1kg	
<b>L-Aspartic acid</b> (From non-animal source) Cell Culture Tested C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub> MW : 133.1 CAS : 56-84-8 Assay : ≥99% Store below 30°C	TC059-25G	25gm	
	TC059-100G	100gm	
	TC059-500G	500gm	
	TC059-1KG	1kg	

Product	Code	Packing	\$Price in ₹
<b>L-Cysteine hydrochloride monohydrate</b> (From non animal source) Cell Culture Tested C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> S.HCl.H <sub>2</sub> O MW : 175.63 CAS : 7048-04-6 Assay : ≥98.5% Store below 30°C	TC058-25G	25gm	
	TC058-100G	100gm	
	TC058-500G	500gm	
	TC058-1KG	1kg	
<b>L-Cysteine</b> (From non-animal source) Cell Culture Tested C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> S MW : 121.16 CAS : 52-90-4 Assay : ≥98% Store below 30°C	TC060-25G	25gm	
	TC060-100G	100gm	
	TC060-500G	500gm	
	TC060-1KG	1kg	
<b>L-Cystine</b> (From non animal source) Cell Culture Tested C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub> MW : 240.3 CAS : 56-89-3 Assay : ≥99% Store below 30°C	TC070-25G	25gm	
	TC070-100G	100gm	
	TC070-500G	500gm	
	TC070-1KG	1kg	
<b>L-Cystine dihydrochloride</b> (From non animal source) Cell Culture Tested C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub> .2HCl MW : 313.22 CAS : 30925-07-6 Assay : ≥98.5% Store below 30°C	TC062-25G	25gm	
	TC062-100G	100gm	
	TC062-500G	500gm	
	TC062-1KG	1kg	
<b>L-Glutamic acid</b> (From non-animal source) Cell Culture Tested C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> MW : 147.13 CAS : 56-86-0 Assay : ≥98.5% Store below 30°C	TC074-25G	25gm	
	TC074-100G	100gm	
	TC074-500G	500gm	
	TC074-1KG	1kg	
<b>L-Glutamic acid monosodium monohydrate</b> (From non-animal source) Cell Culture Tested C <sub>5</sub> H <sub>8</sub> NNaO <sub>4</sub> .H <sub>2</sub> O MW : 187.13 CAS : 6106-04-3 Assay : ≥99% Store below 30°C	TC064-100G	100gm	
	TC064-500G	500gm	
	TC064-1KG	1kg	
	TC064-500G	500gm	
<b>L-Glutamine</b> (From non-animal source) Cell Culture Tested C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub> MW : 146.14 CAS : 56-85-9 Assay : ≥99% Store below 30°C	TC243-10G	10gm	
	TC243-25G	25gm	
	TC243-100G	100gm	
	TC243-1KG	1kg	
<b>Glycine</b> Cell Culture Tested C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> MW : 75.07 CAS : 56-40-6 Assay : ≥98% Store below 30°C	TC075-100G	100gm	
	TC075-1KG	1kg	
<b>L-Histidine</b> (From non-animal source) Cell Culture Tested C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> MW : 155.15 CAS : 71-00-1 Assay : ≥98.5% Store below 30°C	TC076-100G	100gm	
	TC076-500G	500gm	
	TC076-1KG	1kg	

## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>L-Histidine monohydrochloride monohydrate</b> (From non-animal source) Cell Culture Tested $C_6H_9N_3O_2 \cdot HCl \cdot H_2O$ MW : 209.63 CAS : 5934-29-2 Assay : $\geq 99\%$ Store below 30°C	TC077-25G TC077-100G TC077-1KG	25gm 100gm 1kg	
<b>L-Isoleucine</b> (From non-animal source) Cell Culture Tested $C_6H_{13}NO_2$ MW : 131.17 CAS : 73-32-5 Assay : $\geq 99\%$ Store below 30°C	TC049-10G TC049-25G TC049-100G TC049-1KG	10gm 25gm 100gm 1kg	
<b>L-Leucine</b> (From non-animal source) Cell Culture Tested $C_6H_{13}NO_2$ MW : 131.17 CAS : 61-90-5 Assay : $\geq 99\%$ Store below 30°C	TC078-10G TC078-25G TC078-100G TC078-1KG	10gm 25gm 100gm 1kg	
<b>L-Lysine</b> (From non-animal source) Cell Culture Tested $C_6H_{11}N_2O_2$ MW : 146.19 CAS : 56-87-1 Assay : $\geq 98.5\%$ Store below 30°C	TC207-25G TC207-100G TC207-500G TC207-1KG	25gm 100gm 500gm 1kg	
<b>L-Lysine monohydrochloride</b> (From non-animal source) Cell Culture Tested $C_6H_{14}N_2O_2 \cdot HCl$ MW : 182.65 CAS : 657-27-2 Assay : $\geq 98.5\%$ Store below 30°C	TC079-25G TC079-100G TC079-1KG	25gm 100gm 1kg	
<b>L-Methionine</b> (From non-animal source) Cell Culture Tested $C_5H_{11}NO_2S$ MW : 149.21 CAS : 63-68-3 Assay : $\geq 99\%$ Store below 30°C	TC080-25G TC080-100G TC080-1KG	25gm 100gm 1kg	
<b>L-Ornithine monohydrochloride</b> (From non-animal source) Cell Culture Tested $C_5H_{12}N_2O_2 \cdot HCl$ MW : 168.62 CAS : 3184-13-2 Assay : $\geq 99\%$ Store below 30°C	TC093-25G TC093-100G TC093-500G TC093-1KG	25gm 100gm 500gm 1kg	
<b>L-Phenylalanine</b> (From non-animal source) Cell Culture Tested $C_9H_9NO_2$ MW : 165.19 CAS : 63-91-2 Assay : $\geq 98.5\%$ Store below 30°C	TC098-10G TC098-25G TC098-100G TC098-1KG	10gm 25gm 100gm 1kg	
<b>L-Proline</b> (From non-animal source) Cell Culture Tested $C_5H_9NO_2$ MW : 115.13 CAS : 147-85-3 Assay : $\geq 98.5\%$ Store below 30°C	TC109-25G TC109-100G TC109-500G TC109-1KG	25gm 100gm 500gm 1kg	

Product	Code	Packing	Price in ₹
<b>DL-Serine</b> (±)-2-Amino-3-hydroxypropionic acid Cell Culture Tested $C_3H_7NO_3$ MW : 105.09 CAS : 302-84-1 Assay : $\geq 98\%$ Store below 30°C	TC377-25G TC377-100G	25gm 100gm	
<b>L-Serine</b> (From non-animal source) Cell Culture Tested $C_3H_7NO_3$ MW : 105.09 CAS : 56-45-1 Assay : $\geq 98.5\%$ Store below 30°C	TC113-25G TC113-100G TC113-500G TC113-1KG	25gm 100gm 500gm 1kg	
<b>Taurine</b> (From non-animal source) Cell Culture Tested $C_2H_7NO_3S$ MW : 125.15 CAS : 107-35-7 Assay : $\geq 99\%$ Store below 30°C	TC028-25G TC028-100G TC028-500G TC028-1KG	25gm 100gm 500gm 1kg	
<b>DL-Threonine</b> (±)-2-Amino-3-hydroxybutyric acid Cell Culture Tested $C_4H_9NO_3$ MW : 119.12 CAS : 80-68-2 Assay : $\geq 99\%$ Store below 30°C	TC378-25G TC378-100G	25gm 100gm	
<b>L-Threonine</b> (From non-animal source) Cell Culture Tested $C_4H_9NO_3$ MW : 119.12 CAS : 72-19-5 Assay : $\geq 99\%$ Store below 30°C	TC120-25G TC120-100G TC120-500G TC120-1KG	25gm 100gm 500gm 1kg	
<b>L-Tryptophan</b> (From non-animal source) Cell Culture Tested $C_{11}H_{12}N_2O_2$ MW : 204.23 CAS : 73-22-3 Assay : $\geq 99\%$ Store below 30°C	TC121-25G TC121-100G TC121-500G TC121-1KG	25gm 100gm 500gm 1kg	
<b>L-Tyrosine</b> (From non-animal source) Cell Culture Tested $C_9H_9NO_3$ MW : 181.19 CAS : 60-18-4 Assay : $\geq 95\%$ Store below 30°C	TC122-25G TC122-100G TC122-500G TC122-1KG	25gm 100gm 500gm 1kg	
<b>L-Tyrosine disodium salt hydrate</b> L-3-(4-Hydroxyphenyl)alanine disodium salt (From non-animal source) Cell Culture Tested $C_9H_9NO_3 \cdot 2Na \cdot XH_2O$ MW : 225.15 CAS : 69847-45-6 Assay : $\geq 98\%$ Store below 30°C	TC461-25G TC461-100G TC461-500G	25gm 100gm 500gm	

Product	Code	Packing	\$Price in ₹
<b>L-Tyrosine disodium salt, dihydrate</b> L-3-(4-Hydroxyphenyl)alanine disodium salt (From non-animal source) Cell Culture Tested $C_9H_9NO_3 \cdot 2Na \cdot 2H_2O$ MW : 261.19 CAS : 122666-87-9 Assay : $\geq 95\%$ Store below 30°C	TC477-25G	25gm	
	TC477-100G	100gm	
	TC477-500G	500gm	
<b>L-Valine</b> (From non-animal source) (L-2-Amino-3-methylbutanoic acid) Cell Culture Tested $C_6H_{11}NO_2$ MW : 117.15 CAS : 72-18-4 Assay : $\geq 99\%$ Store below 30°C	TC132-25G	25gm	
	TC132-100G	100gm	
	TC132-500G	500gm	
	TC132-1KG	1kg	

## FMOC Amino Acids

<b>Fmoc-Aib-OH</b> N- $\alpha$ -Fmoc- $\alpha$ -aminoisobutyric acid $C_{19}H_{19}NO_4$ MW : 325.36 CAS : 94744-50-0 Assay : $\geq 99\%$ Store at 2 - 8°C	TC653-1G	1gm	
	TC653-5G	5gm	
<b>Fmoc-Ala-OH</b> Fmoc-L-alanine; N-(9-Fluorenylmethoxycarbonyl)-L-alanine, $C_{18}H_{17}NO_4$ MW : 311.33 CAS : 35661-39-3 Assay : $\geq 99\%$ Store at 2 - 8°C	TC654-5G	5gm	
	TC654-25G	25gm	
	TC654-100G	100gm	
	TC654-1KG	1kg	
<b>Fmoc-L-Arg(Pbf)-OH</b> N $_{\alpha}$ -Fmoc-N $_{\omega}$ -Pbf-L-arginine $C_{34}H_{40}N_4O_5S$ MW : 648.77 CAS : 154445-77-9 Assay : $\geq 99\%$ Store below 30°C	TC655-5G	5gm	
	TC655-25G	25gm	
	TC655-100G	100gm	
	TC655-1KG	1kg	
<b>Fmoc-D-Arg(Pbf)-OH</b> <span style="color: red;">New</span> N $_{\alpha}$ -Fmoc-N $_{\omega}$ -Pbf-D-arginine $C_{34}H_{40}N_4O_5S$ MW : 648.77 CAS : 187618-60-6 Assay : $\geq 99\%$ Store below 30°C	TC743-1G	1gm	
	TC743-5G	5gm	
<b>Fmoc-Asn(trt)-OH</b> N $_{\alpha}$ -Fmoc-N $_{\gamma}$ -trityl-L-asparagine $C_{38}H_{32}N_2O_5$ MW : 596.67 CAS : 132388-59-1 Assay : $\geq 99\%$ Store below 30°C	TC656-5G	5gm	
	TC656-25G	25gm	
	TC656-100G	100gm	
	TC656-1KG	1kg	
<b>Fmoc-L-Asp(OtBu)-OH</b> Fmoc-L-aspartic acid 4-tert-butyl ester $C_{23}H_{25}NO_6$ MW : 411.45 CAS : 71989-14-5 Assay : $\geq 99\%$ Store below 30°C	TC657-5G	5gm	
	TC657-25G	25gm	
	TC657-100G	100gm	
	TC657-1KG	1kg	

Product	Code	Packing	\$Price in ₹
<b>Fmoc-Cys(Acm)-OH</b> N $_{\alpha}$ -Fmoc-S-acetaminomethyl-L-cysteine $C_{21}H_{27}N_3O_5S$ MW : 414.47 CAS : 86060-81-3 Assay : $\geq 99\%$ Store below 30°C	TC658-5G	5gm	
	TC658-25G	25gm	
<b>Fmoc-L-Cys(SiBu)-OH</b> <span style="color: red;">New</span> N $_{\alpha}$ -Fmoc-S-tert-butylthio-L-cysteine $C_{22}H_{25}NO_4S_2$ MW : 431.57 CAS : 73724-43-3 Assay : $\geq 99\%$ Store below 30°C	TC659-1G	1gm	
<b>Fmoc-Cys(Trt)-OH</b> N $_{\alpha}$ -Fmoc-S-trityl-L-cysteine $C_{37}H_{31}NO_4S$ MW : 585.71 CAS : 103213-32-7 Assay : $\geq 99\%$ Store below 30°C	TC660-5G	5gm	
	TC660-25G	25gm	
	TC660-100G	100gm	
	TC660-1KG	1kg	
<b>Fmoc-L-Gln(Trt)-OH</b> N $_{\alpha}$ -Fmoc-N $^{\alpha}$ -trityl-L-glutamine $C_{39}H_{34}N_2O_5$ MW : 610.7 CAS : 132327-80-1 Assay : $\geq 99\%$ Store below 30°C	TC661-5G	5gm	
	TC661-25G	25gm	
	TC661-100G	100gm	
	TC661-1KG	1kg	
<b>Fmoc-Glu(OtBu)</b> <span style="color: red;">New</span> N- $\alpha$ -Fmoc-L-glutamic acid- $\alpha$ -t-butyl ester $C_{24}H_{27}NO_5$ MW : 425.47 CAS : 84793-07-7 Assay : $\geq 99\%$ Store below 30°C	TC745-1G	1gm	
	TC745-5G	5gm	
<b>Fmoc-L-Glu(OtBu)-OH</b> Fmoc-L-glutamic acid 5-tert-butyl ester $C_{24}H_{27}NO_6$ MW : 425.47 CAS : 71989-18-9 Assay : $\geq 99\%$ Store below 30°C	TC662-5G	5gm	
	TC662-25G	25gm	
	TC662-100G	100gm	
	TC662-1KG	1kg	
<b>Fmoc-Gly-OH</b> Fmoc-glycine $C_{17}H_{15}NO_4$ MW : 297.31 CAS : 29022-11-5 Assay : $\geq 99\%$ Store below 30°C	TC663-5G	5gm	
	TC663-25G	25gm	
	TC663-100G	100gm	
	TC663-500G	500gm	
<b>Fmoc-L-His(trt)-OH</b> N $_{\alpha}$ -Fmoc-N $_{(m)}$ -trityl-L-histidine $C_{40}H_{33}N_3O_4$ MW : 619.71 CAS : 109425-51-6 Assay : $\geq 99\%$ Store below 30°C	TC664-5G	5gm	
	TC664-25G	25gm	
	TC664-100G	100gm	
	TC664-1KG	1kg	
<b>Fmoc-Hyp(tBu)-OH</b> <span style="color: red;">New</span> Fmoc-O-tert-butyl-L-hydroxyproline $C_{24}H_{27}NO_5$ MW : 409.47 CAS : 122996-47-8 Assay : $\geq 99\%$ Store below 30°C	TC746-1G	1gm	
	TC746-5G	5gm	
	TC746-25G	25gm	

## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>Fmoc-Ile-OH</b> Fmoc-L-isoleucine C <sub>21</sub> H <sub>23</sub> NO <sub>4</sub> MW : 353.41 Assay : ≥99% Store below 30°C	TC665-5G TC665-25G TC665-100G TC665-1KG	5gm 25gm 100gm 1kg	
CAS : 71989-23-6			
<b>Fmoc-L-Leu-OH</b> Fmoc-L-leucine C <sub>21</sub> H <sub>23</sub> NO <sub>4</sub> MW : 353.41 Assay : ≥99% Store below 30°C	TC666-5G TC666-25G TC666-100G TC666-1KG	5gm 25gm 100gm 1kg	
CAS : 35661-60-0			
<b>Fmoc-Lys(Ac)-OH</b> <span style="color:red">New</span> N- <i>α</i> -Fmoc-N- <i>ε</i> -acetyl-L-lysine C <sub>23</sub> H <sub>26</sub> N <sub>2</sub> O <sub>5</sub> MW : 410.46 Assay : ≥99% Store below 30°C	TC747-1G TC747-5G TC747-25G	1gm 5gm 25gm	
CAS : 159766-56-0			
<b>Fmoc-L-Lys(Boc)-OH</b> N- <i>ε</i> -Fmoc-N-(Boc)-L-lysine C <sub>26</sub> H <sub>32</sub> N <sub>2</sub> O <sub>6</sub> MW : 468.54 Assay : ≥99% Store below 30°C	TC667-5G TC667-25G TC667-100G TC667-1KG	5gm 25gm 100gm 1kg	
CAS : 71989-26-9			
<b>Fmoc-Lys(Dde)-OH</b> N- <i>ε</i> -Fmoc-N <sup>1</sup> -(4,4-dimethyl-2,6-dioxycyclohex-1-ylidene)ethyl-L-lysine C <sub>31</sub> H <sub>36</sub> N <sub>2</sub> O <sub>6</sub> MW : 532.63 Assay : ≥99% Store below 30°C	TC668-1G	1gm	
CAS : 150629-67-7			
<b>Fmoc-Lys(Mtt)-OH</b> <span style="color:red">New</span> N- <i>α</i> -Fmoc-N- <i>ε</i> -4-methyltrityl-L-lysine C <sub>41</sub> H <sub>40</sub> N <sub>2</sub> O <sub>4</sub> MW : 624.77 Assay : ≥99% Store below 30°C	TC748-1G TC748-5G TC748-25G	1gm 5gm 25gm	
CAS : 167393-62-6			
<b>Fmoc-L-Met-OH</b> Fmoc-L-methionine C <sub>20</sub> H <sub>21</sub> NO <sub>3</sub> S MW : 371.45 Assay : ≥99% Store below 30°C	TC669-5G TC669-25G TC669-100G	5gm 25gm 100gm	
CAS : 71989-28-1			
<b>Fmoc-Orn(Boc)-OH</b> N- <i>α</i> -Fmoc-N-(Boc)-L-Ornithin C <sub>25</sub> H <sub>30</sub> N <sub>2</sub> O <sub>6</sub> MW : 454.52 Assay : ≥99% Store below 30°C	TC670-5G TC670-25G	5gm 25gm	
CAS : 109425-55-0			
<b>Fmoc-L-Phe-OH</b> Fmoc-L-phenylalanine C <sub>24</sub> H <sub>21</sub> NO <sub>4</sub> MW : 387.43 Assay : ≥99% Store below 30°C	TC671-5G TC671-25G TC671-100G	5gm 25gm 100gm	
CAS : 35661-40-6			
<b>Fmoc-Pro-OH</b> Fmoc-L-proline C <sub>20</sub> H <sub>19</sub> NO <sub>4</sub> MW : 337.37 Assay : ≥99% Store below 30°C	TC672-5G TC672-50G TC672-250G	5gm 50gm 250gm	
CAS : 71989-31-6			

Product	Code	Packing	Price in ₹
<b>Fmoc-L-Ser(tBu)-OH</b> Fmoc-O-tert-butyl-L-serine C <sub>22</sub> H <sub>25</sub> NO <sub>5</sub> MW : 383.44 Assay : ≥99% Store below 30°C	TC673-5G TC673-25G TC673-100G TC673-1KG	5gm 25gm 100gm 1kg	
CAS : 71989-33-8			
<b>Fmoc-Thr(tBu)-OH</b> Fmoc-O-tert-butyl-L-threonine C <sub>23</sub> H <sub>27</sub> NO <sub>5</sub> MW : 397.46 Assay : ≥99% Store below 30°C	TC674-5G TC674-25G TC674-100G TC674-1KG	5gm 25gm 100gm 1kg	
CAS : 71989-35-0			
<b>Fmoc-D-Thr(OtBu)-OH</b> <span style="color:red">New</span> Fmoc-O-tert-butyl-D-threonine C <sub>23</sub> H <sub>27</sub> NO <sub>5</sub> MW : 397.46 Assay : ≥99% Store below 30°C	TC744-5G TC744-25G	5gm 25gm	
CAS : 138797-71-4			
<b>Fmoc-L-Trp(Boc)-OH</b> N- <i>ε</i> -Fmoc-N-(Boc)-L-tryptophan C <sub>31</sub> H <sub>30</sub> N <sub>2</sub> O <sub>6</sub> MW : 526.58 Assay : ≥99% Store below 30°C	TC675-5G TC675-25G TC675-100G TC675-1KG	5gm 25gm 100gm 1kg	
CAS : 143824-78-6			
<b>Fmoc-L-Tyr(tBu)-OH</b> Fmoc-O-tert-butyl-L-tyrosine C <sub>28</sub> H <sub>29</sub> NO <sub>5</sub> MW : 459.53 Assay : ≥99% Store below 30°C	TC676-5G TC676-25G TC676-100G TC676-1KG	5gm 25gm 100gm 1kg	
CAS : 71989-38-3			
<b>Fmoc-L-Val-OH</b> Fmoc-L-valine C <sub>20</sub> H <sub>21</sub> NO <sub>4</sub> MW : 339.39 Assay : ≥99% Store below 30°C	TC677-50G TC677-250G TC677-500G	50gm 250gm 500gm	
CAS : 68858-20-8			

Product	Code	Packing	\$Price in ₹
<b>Antibiotics</b>			
<b>Contamination Control Antibiotics</b>			
<b>Actinomycin D</b> Cell Culture Tested Recommended for use in cell culture applications at 1mg/L C <sub>62</sub> H <sub>86</sub> N <sub>12</sub> O <sub>16</sub> MW : 1255.42 CAS : 50-76-0 Assay : ≥97.5% Store at 2 - 8°C	TC018-5MG TC018-2X5MG TC018-5X5MG	5mg 2x5mg 5x5mg	
<b>Amphotericin B</b> Cell Culture Tested Recommended for use in cell culture applications at 2.5 mg/L C <sub>47</sub> H <sub>73</sub> NO <sub>17</sub> MW : 924.08 CAS : 1397-89-3 Potency : ≥750 µg/mg Store at 2 - 8°C	TC019-1G TC019-5G	1gm 5gm	
<b>Ampicillin sodium salt</b> Cell Culture Tested Recommended for use in cell culture applications at 100 mg/L C <sub>16</sub> H <sub>18</sub> N <sub>3</sub> NaO <sub>5</sub> S MW : 371.39 CAS : 69-52-3 Assay : ≥91% Potency : ≥845 µg/mg Store at 2 - 8°C	TC021-1G TC021-5G TC021-25G	1gm 5gm 25gm	
<b>Bacitracin</b> 50,000 units per vial Cell Culture Tested C <sub>66</sub> H <sub>103</sub> N <sub>17</sub> O <sub>16</sub> S MW : 1422.69 CAS : 1405-87-4 Potency : ≥60 units/mg Store at 2 - 8°C	TC201-1VL TC201-5VL	1vl 5vl	
<b>*Blasticidin S Hydrochloride</b> Blasticidin S Cell Culture Tested C <sub>17</sub> H <sub>26</sub> N <sub>9</sub> O <sub>5</sub> .HCl MW : 458.9 CAS : 3513-03-9 Assay : ≥99.5% Store at 2 - 8°C	TC421-25MG TC421-100MG TC421-1G	25mg 100mg 1gm	
<b>Carbenicillin disodium salt</b> Cell Culture Tested C <sub>17</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub> SNa <sub>2</sub> MW : 422.36 CAS : 4800-94-6 Potency : ≥770 µg/mg Store at 2 - 8°C	TC199-250MG TC199-1G TC199-5G TC199-10G	250mg 1gm 5gm 10gm	
<b>Cephalothin sodium salt</b> Cell Culture Tested Recommended for use in cell culture applications at 100 mg/L C <sub>16</sub> H <sub>15</sub> N <sub>2</sub> NaO <sub>5</sub> S <sub>2</sub> MW : 418.42 CAS : 58-71-9 Assay : ≥95% Store at 2 - 8°C	TC022-250MG TC022-1G TC022-5G	250mg 1gm 5gm	

Product	Code	Packing	\$Price in ₹
<b>*Cefotaxime Sodium Salt</b> Cell Culture Tested C <sub>16</sub> H <sub>16</sub> N <sub>4</sub> O <sub>7</sub> S <sub>2</sub> Na MW : 477.45 CAS : 64485-93-4 Assay : ≥98% Potency : 916-964 µg/mg Store at 2 - 8°C	TC352-1G TC352-5G TC352-25G	1gm 5gm 25gm	
<b>Chloramphenicol</b> Cell Culture Tested C <sub>11</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>5</sub> MW : 323.13 CAS : 56-75-7 Assay : ≥98% Store below 30°C	TC204-5G TC204-25G	5gm 25gm	
<b>Ciprofloxacin hydrochloride monohydrate</b> Cell Culture Tested C <sub>17</sub> H <sub>18</sub> FN <sub>3</sub> O <sub>3</sub> .HCl.H <sub>2</sub> O MW : 385.82 CAS : 86393-32-0 Assay : ≥98% Store below 30°C	TC447-1G TC447-5G TC447-25G	1gm 5gm 25gm	
<b>Cycloheximide</b> Cell Culture Tested C <sub>15</sub> H <sub>23</sub> NO <sub>3</sub> MW : 281.35 CAS : 66-81-9 Assay : ≥96% Store at 2 - 8°C	TC196-1G TC196-5G	1gm 5gm	
<b>Erythromycin</b> Cell Culture Tested Recommended for use in cell culture applications at 100 mg /L C <sub>37</sub> H <sub>67</sub> NO <sub>13</sub> MW : 733.93 CAS : 114-07-8 Assay : ≥98% Potency : ≥920 units/mg Store below 30°C	TC024-1G TC024-5G	1gm 5gm	
<b>Gentamicin sulphate</b> Cell Culture Tested Recommended for use in Cell Culture application at 50 mg/L CAS : 1405-41-0 Potency : ≥590 µg/mg Store at 2 - 8°C	TC026-1G TC026-5G TC026-25G	1gm 5gm 25gm	
<b>Kanamycin sulphate</b> Cell Culture Tested Recommended for use in cell culture applications at 100 mg/L C <sub>18</sub> H <sub>36</sub> N <sub>4</sub> O <sub>11</sub> .H <sub>2</sub> SO <sub>4</sub> MW : 582.58 CAS : 25389-94-0 Potency : ≥750 µg/mg Store at 2 - 8°C	TC136-1G TC136-5G TC136-25G	1gm 5gm 25gm	
<b>*Kanamycin acid sulphate</b> <span style="color: red; font-weight: bold;">New</span> C <sub>18</sub> H <sub>40</sub> N <sub>4</sub> O <sub>19</sub> S <sub>2</sub> MW : 680.64 CAS : 64013-70-3 Potency : ≥670 Units/mg Store at 2 - 8°C	TC636-5G TC636-25G	5gm 25gm	

\*Delivery after 4 - 6 weeks

Unless indicated all the above products to be stored below 30°C.



Product	Code	Packing	Price in ₹
<p><b>* Kanamycin sulphate</b></p> <p>Gamma irradiated Cell Culture Tested Recommended for use in cell culture applications at 100 mg/L</p> <p><math>C_{18}H_{36}N_4O_{11} \cdot H_2SO_4</math> MW : 582.58 CAS : 25389-94-0 Potency : <math>\geq 750 \mu\text{g}/\text{mg}</math> Store at 2 - 8°C</p>	<p>TC136G-1G TC136G-5G TC136G-25G</p>	<p>1gm 5gm 25gm</p>	
<p><b>Lincomycin hydrochloride</b></p> <p>(Lincocin hydrochloride) Cell Culture Tested</p> <p><math>C_{18}H_{34}N_2O_5 \cdot \text{HCl}</math> MW : 443.0 CAS : 859-18-7 Assay : <math>\geq 95\%</math> Store at 2 - 8°C</p>	<p>TC203-1X1MU TC203-5X1MU</p>	<p>1x1mu 5x1mu</p>	
<p><b>Minocycline hydrochloride</b></p> <p>Cell Culture Tested</p> <p><math>C_{23}H_{27}N_3O_7 \cdot \text{HCl}</math> MW : 493.94 CAS : 13614-98-7 Assay : <math>\geq 98\%</math> Store at 2 - 8°C</p>	<p>TC274-25MG TC274-100MG TC274-250MG TC274-1G</p>	<p>25mg 100mg 250mg 1gm</p>	
<p><b>* Mitomycin C</b></p> <p>Cell Culture Tested</p> <p><math>C_{15}H_{16}N_2O_5</math> MW : 334.33 CAS : 50-07-7 Potency : <math>\geq 970 \mu\text{g}/\text{mg}</math> Store at 2 - 8°C</p>	<p>TC406-10MG</p>	<p>10mg</p>	
<p><b>Mycostatin</b></p> <p>(see: Nystatin) Cell Culture Tested 1,000,000 units per vial Recommended for use in cell culture application at 50 ml/L</p> <p>CAS : 1400-61-9 Potency : <math>\geq 4400 \text{ USP units}/\text{mg}</math> Store at 2 - 8°C</p>	<p>TC032-1X1MU TC032-5X1MU TC032-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>	
<p><b>Mycostatin Gamma irradiated</b></p> <p>(see: Nystatin Gamma irradiated) Cell Culture Tested 1,000,000 units per vial Recommended for use in cell culture application at 50 mg/L</p> <p><math>C_{47}H_{75}NO_{17}</math> MW : 926.09 CAS : 1400-61-9 Potency : <math>\geq 4400 \text{ USP units}/\text{mg}</math> Store at 2 - 8°C</p>	<p>TC032G-1X1MU TC032G-5X1MU TC032G-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>	
<p><b>* Natamycin</b></p> <p>Cell Culture Tested</p> <p><math>C_{33}H_{46}NO_9</math> MW : 665.73 CAS : 7681-93-8 Assay : <math>\geq 900 \mu\text{g}/\text{mg}</math> Store at 2 - 8°C</p>	<p>TC407-100MG TC407-1G</p>	<p>100mg 1gm</p>	
<p><b>Nystatin</b></p> <p>(see: Mycostatin) Cell Culture Tested 1,000,000 units per vial Recommended for use in cell culture application at 50 mg/L</p> <p>CAS : 1400-61-9 Potency : <math>\geq 4400 \text{ USP units}/\text{mg}</math> Store at 2 - 8°C</p>	<p>TC032-1X1MU TC032-5X1MU TC032-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>	

Product	Code	Packing	Price in ₹
<p><b>Nystatin Gamma irradiated</b></p> <p>(see: Mycostatin Gamma irradiated) Cell Culture Tested 1,000,000 units per vial Recommended for use in cell culture application at 50 mg/L</p> <p><math>C_{47}H_{75}NO_{17}</math> MW : 926.09 CAS : 1400-61-9 Potency : <math>\geq 4400 \text{ USP units}/\text{mg}</math> Store at 2 - 8°C</p>	<p>TC032G-1X1MU TC032G-5X1MU TC032G-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>	
<p><b>Oxytetracycline dihydrate</b></p> <p>Cell Culture Tested</p> <p><math>C_{22}H_{24}N_2O_9 \cdot 2H_2O</math> MW : 496.46 CAS : 6153-64-6 Assay : <math>\geq 98\%</math> Potency : <math>\geq 832 \mu\text{g}/\text{mg}</math> Store below 30°C</p>	<p>TC200-1G TC200-10G</p>	<p>1gm 10gm</p>	
<p><b>Paromomycin sulfate</b></p> <p>Cell Culture Tested</p> <p><math>C_{23}H_{45}N_2O_{14} \cdot H_2SO_4</math> MW : 713.71 CAS : 1263-89-4 Assay : <math>\geq 98\%</math> Potency : <math>\geq 675 \mu\text{g}/\text{mg}</math> Store below 30°C</p>	<p>TC353-1G TC353-5G</p>	<p>1gm 5gm</p>	
<p><b>Penicillin G Potassium Salt</b></p> <p>Cell Culture Tested 1 million units per vial</p> <p><math>C_{17}H_{17}KN_2O_6S</math> MW : 372.48 CAS : 113-98-4 Assay : <math>\geq 99\%</math> Potency : 1400-1680 U/mg Store at 2 - 8°C</p>	<p>TC187-1MU TC187-10MU TC187-100MU</p>	<p>1mu 10mu 100mu</p>	
<p><b>Penicillin G sodium salt</b></p> <p>Cell Culture Tested 1 million units/vl Recommended for use in cell culture applications at 100000 U/L</p> <p><math>C_{16}H_{17}N_2NaO_6S</math> MW : 356.37 CAS : 69-57-8 Potency : 1500-1750 IU/mg Store at 2 - 8°C</p>	<p>TC020-1X1MU TC020-10X1MU TC020-25X1MU TC020-100X1MU</p>	<p>1x1mu 10x1mu 25x1mu 100x1mu</p>	
<p><b>Polymyxin B sulfate</b></p> <p>Cell Culture Tested (1million units/vial) Recommended for use in cell culture applications at 50mg/L</p> <p><math>C_{85}H_{96}N_{16}O_{13} \cdot 2H_2SO_4</math> MW : 1385.61 CAS : 1405-20-5 Potency : <math>\geq 6500 \text{ IU}/\text{mg}</math> Store at 2 - 8°C</p>	<p>TC033-1X1MU TC033-5X1MU TC033-25X1MU</p>	<p>1x1mu 5x1mu 25x1mu</p>	
<p><b>Rifampicin (Rifampin)</b></p> <p>Cell Culture Tested</p> <p><math>C_{43}H_{58}N_4O_{12}</math> MW : 822.94 CAS : 13292-46-1 Assay : <math>\geq 97\%</math> Store at 2 - 8°C</p>	<p>TC354-1G TC354-5G</p>	<p>1gm 5gm</p>	
<p><b>* Sparfloxacin</b></p> <p>5-Amino-1-cyclohexyl-7-(cis-3,5-dimethylpiperazino)-6,8-difluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid Cell Culture Tested</p> <p><math>C_{19}H_{22}F_2N_4O_3</math> MW : 392.4 CAS : 110871-86-8 Assay : <math>\geq 98\%</math> Store at 2 - 8°C</p>	<p>TC408-1G TC408-10G</p>	<p>1gm 10gm</p>	

\*Delivery after 4 - 6 weeks

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For TC chemical pricing refer Chemical price list

Product	Code	Packing	\$Price in ₹
<b>Spectinomycin dihydrochloride pentahydrate</b> Cell Culture Tested Recommended for use in cell culture application at 7.5-20 mg/L $C_{21}H_{24}N_2O_{12} \cdot 2HCl \cdot 5H_2O$ MW : 495.35 CAS : 22189-32-8 Potency : $\geq 603 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC034-1G TC034-5G TC034-25G	1gm 5gm 25gm	
<b>Streptomycin sulphate</b> Cell Culture Tested Recommended for use in cell culture application at 100 mg/L $C_{27}H_{38}N_2O_{12} \cdot 1.5 H_2SO_4$ MW : 728.69 CAS : 3810-74-0 Potency : $\geq 730 \text{ Units}/\text{mg}$ Store at 2 - 8°C	TC035-5G TC035-25G	5gm 25gm	
<b>Tetracycline hydrochloride</b> Cell Culture Tested Recommended for use in Cell culture applications at 10 mg/L $C_{22}H_{24}N_2O_6 \cdot HCl$ MW : 480.9 CAS : 64-75-5 Potency : $\geq 720 \text{ IU}/\text{mg}$ Store at 2 - 8°C	TC036-5G TC036-25G	5gm 25gm	
<b>Thimerosal</b> Cell Culture Tested Thiomersal; Thiomersalate; Mercuriothiolate; Sodium merthiolate; Sodium ethylmercurithiosalicylate $C_9H_9HgNaO_2S$ MW : 404.81 CAS : 54-64-8 Assay : $\geq 97\%$ Store below 30°C	TC470-10G TC470-25G TC470-100G TC470-500G	10gm 25gm 100gm 500gm	
<b>Tylosin tartrate</b> Cell Culture Tested Potency : $\geq 900 \text{ U}/\text{mg}$ Store at 2 - 8°C	TC205-1G TC205-5G TC205-10G	1gm 5gm 10gm	
<b>Vancomycin hydrochloride</b> Cell Culture Tested $C_{66}H_{75}ClN_9O_{22} \cdot HCl$ MW : 1485.71 CAS : 1404-93-9 Assay : $\geq 80\%$ Potency : $\geq 900 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC202-500MG TC202-1G TC202-5G	500mg 1gm 5gm	
Gene Selection Antibiotics			
<b>G418 disulfate salt</b> (Geneticin disulphate) Cell Culture Tested Recommended for use in Cell Culture application at 100-800 mg/L $C_{26}H_{40}N_4O_{10} \cdot 2H_2SO_4$ MW : 692.71 CAS : 108321-42-2 Potency : $\geq 650 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC025-1G TC025-5G	1gm 5gm	
<b>Hygromycin-B</b> Cell Culture Tested Recommended for use in cell culture applications at 200-400 mg/L $C_{20}H_{37}N_3O_{13}$ MW : 527.52 CAS : 31282-04-9 Assay : $\geq 80\%$ Potency : $\geq 1170 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC027-50MG TC027-100MG TC027-250MG TC027-1G	50mg 100mg 250mg 1gm	

Product	Code	Packing	\$Price in ₹
<b>*Methotrexate Disodium Salt</b> Cell Culture Tested $C_{20}H_{20}N_6Na_2O_5$ MW : 498.4 CAS : 7413-34-5 Assay : $\geq 98.5\%$ Store at 2 - 8°C	TC404-250MG	250mg	
<b>*Mycophenolic acid</b> Cell Culture Tested $C_{20}H_{20}N_4Na_2O_5$ MW : 320.34 CAS : 24280-93-1 Assay : $\geq 99\%$ Store at 2 - 8°C	TC405-25MG TC405-50MG TC405-250MG	25mg 50mg 250mg	
<b>Neomycin sulfate salt</b> Cell Culture Tested Recommended for use in cell culture application at 50 mg/L $C_{23}H_{44}N_6O_{13} \cdot 3H_2SO_4$ MW : 908.88 CAS : 1405-10-3 Potency : $\geq 680 \text{ IU}/\text{mg}$ Store below 30°C	TC031-5G TC031-25G	5gm 25gm	
<b>Puromycin dihydrochloride</b> Cell Culture Tested $C_{22}H_{29}N_7O_5 \cdot 2HCl$ MW : 544.43 CAS : 58-58-2 Assay : $\geq 98\%$ Store at 2 - 8°C	TC198-10MG TC198-25MG	10mg 25mg	
Anticancer Antibiotics			
<b>*17-AAG</b> 17-(Allylamino)-17-demethoxygeldanamycin Cell Culture Tested $C_{31}H_{45}N_3O_8$ MW : 585.69 CAS : 75747-14-7 Assay : $\geq 99\%$ Store at 2 - 8°C	TC409-1MG TC409-5MG	1mg 5mg	
<b>*Avermectin B1a, EvoPure®</b> 5-O-Demethylavermectin A1a Cell Culture Tested $C_{48}H_{72}O_{14}$ MW : 873.1 CAS : 65195-55-3 Assay : $\geq 97\%$ Store at -20°C	TC410-5MG	5mg	
<b>*Conglobatin</b> (3Z,5R,7S,8S,11Z,13R,15S,16S)-3,5,7,11,13,15-hexamethyl-8,16-bis(1, 3-oxazol-5-ylmethyl)-1,9-dioxacyclohexadeca-3,11-diene-2,10-dione Cell Culture Tested $C_{28}H_{38}N_2O_6$ MW : 498.61 CAS : 72263-05-9 Assay : $\geq 95\%$ Store at -20°C	TC411-1MG	1mg	
<b>*Erlotinib Hydrochloride</b> Cell Culture Tested $C_{22}H_{23}N_3O_4$ MW : 492.9 CAS : 183321-74-6 Assay : $\geq 98\%$ Store at 2 - 8°C	TC412-1G TC412-5G	1gm 5gm	

\*Delivery after 4 - 6 weeks

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Product	Code	Packing	Price in ₹
<p><b>* Gefitinib</b> Cell Culture Tested <math>C_{22}H_{24}ClFN_4O_3</math> MW : 446.9 CAS : 184475-35-2 Assay : <math>\geq 98\%</math> Store at 2 - 8°C</p>	<p>TC414-1G TC414-5G</p>	<p>1gm 5gm</p>	
<p><b>* Geldanamycin</b> 2-azabicyclo[16.3.1]docosa-4, 6, 10, 18, 21-pentaene-3, 20, 22-trione, 9, 13-dihydroxy-8, 14, 19-trimethoxy-4, 10, 12, 16-tetramethyl-9-carbamate Cell Culture Tested <math>C_{28}H_{30}N_2O_9</math> MW : 560.64 CAS : 30562-34-6 Assay : <math>\geq 99\%</math> Store at 2 - 8°C</p>	<p>TC415-25MG TC415-50MG TC415-100MG</p>	<p>25mg 50mg 100mg</p>	
<p><b>* Paclitaxel</b> Taxol Cell Culture Tested <math>C_{47}H_{51}NO_{14}</math> MW : 853.9 CAS : 33069-62-4 Assay : <math>\geq 95\%</math> Store at 2 - 8°C</p>	TC413-10MG	10mg	
<p><b>* Rapamycin</b> 23,27-Epoxy-3H-pyrido[2,1-c][1,4]oxazacyclohentacontine, AY 22989, Sirolimus Cell Culture Tested <math>C_{51}H_{79}NO_{13}</math> MW : 914.17 CAS : 53123-88-9 Assay : <math>\geq 98\%</math> Store at 2 - 8°C</p>	<p>TC416-10MG TC416-50MG</p>	<p>10mg 50mg</p>	
<p><b>* Streptozotocin</b> N-(methyl nitroso carbamoyl)-<math>\alpha</math>-D-glucosamine Cell Culture Tested <math>C_8H_{15}N_3O_7</math> MW : 265.22 CAS : 18883-66-4 Assay : <math>\geq 98\%</math> Store at -20°C</p>	<p>TC418-100MG TC418-1G</p>	<p>100mg 1gm</p>	
<b>Cytotoxic Anticancer Antibiotics</b>			
<p><b>* Aclarubicin Hydrochloride</b> Cell Culture Tested <math>C_{42}H_{53}NO_{15}HCl</math> MW : 848.33 CAS : 75443-99-1 Assay : <math>\geq 90\%</math> Store at 2 - 8°C</p>	TC419-5MG	5mg	
<p><b>* Daunorubicin Hydrochloride</b> Cell Culture Tested <math>C_{27}H_{29}NO_{10}HCl</math> MW : 563.98 CAS : 23541-50-6 Assay : <math>\geq 90\%</math> Store at 2 - 8°C</p>	<p>TC417-5MG TC417-25MG</p>	<p>5mg 25mg</p>	
<p><b>* Doxorubicin Hydrochloride</b> DOX, Hydroxydaunorubicin hydrochloride <math>C_{27}H_{29}NO_{11}HCl</math> MW : 579.98 CAS : 25316-40-9 Assay : <math>\geq 98\%</math> Store at 2 - 8°C</p>	TC420-10MG	10mg	

Product	Code	Packing	Price in ₹
<b>Attachment Factors</b>			
<p><b>Chitosan</b> Source: Shrimp shells Cell Culture Tested <math>(C_6H_{11}NO_4)_n</math> MW : 3800 - 20000 CAS : 9012-76-4 Daltons Degree of Deacetylation : <math>\geq 75\%</math> Store below 30°C</p>	<p>TC242-50G TC242-100G TC242-500G</p>	<p>50gm 100gm 500gm</p>	
<p><b>Chitosan</b> Source: Shrimp shells Cell Culture Tested <math>(C_6H_{11}NO_4)_n</math> MW : 3800 - 20000 CAS : 9012-76-4 Daltons Degree of Deacetylation : <math>\geq 90\%</math> Store below 30°C</p>	<p>TC633-50G TC633-100G TC633-500G</p>	<p>50gm 100gm 500gm</p>	
<p><b>Chondroitin sulfate A sodium salt</b> Cell Culture Tested CAS : 39455-18-0 Assay : <math>\geq 90\%</math> Store at 2 - 8°C</p>	<p>TC040-5G TC040-25G</p>	<p>5gm 25gm</p>	
<p><b>Collagen Peptide Hydrolysed form of collagen type I</b> Cell Culture Tested Assay : <math>\geq 90\%</math> Store below 30°C</p>	<p>TC343-5G TC343-10G TC343-25G</p>	<p>5gm 10gm 25gm</p>	
<p><b>Fetuin</b> Cell Culture Tested CAS : 9014-81-7 Assay : <math>\geq 70\%</math> Store at 2 - 8°C</p>	<p>TC278-100MG TC278-1G TC278-5G</p>	<p>100mg 1gm 5gm</p>	
<p><b>Gelatin</b> Bloom Strength : 120g Cell Culture Tested CAS : 9000-70-8 Store below 30°C</p>	<p>TC041-100G TC041-500G</p>	<p>100gm 500gm</p>	

Product	Code	Packing	\$Price in ₹
<b>Biological Buffers</b>			
<b>di-Ammonium hydrogen phosphate</b> Ammonium monohydrogen phosphate, Ammonium phosphate dibasic Cell Culture Tested (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub> MW : 132.06 CAS : 7783-28-0 Assay : ≥98% Store below 30°C	TC578-100G	100gm	
	TC578-500G	500gm	
<b>BES buffer, Free acid</b> (N,N-bis[2-Hydroxyethyl]-2-aminoethanesulphonic acid; 2-[bis(2-Hydroxyethyl)amino]-ethanesulfonic acid) Cell Culture Tested C <sub>8</sub> H <sub>15</sub> NO <sub>5</sub> S MW : 213.25 CAS : 10191-18-1 Assay : ≥99% Store at 2 - 8°C	TC042-25G	25gm	
	TC042-100G	100gm	
	TC042-500G	500gm	
	TC042-1KG	1kg	
<b>BIS-TRIS</b> (bis[2-Hydroxyethyl]amino-tris(hydroxymethyl)methane; 2-bis[2-Hydroxyethyl]amino-2-[hydroxymethyl]-1,3-propanediol) Cell Culture Tested C <sub>8</sub> H <sub>19</sub> NO <sub>5</sub> MW : 209.24 CAS : 6976-37-0 Assay : ≥99% Store below 30°C	TC043-25G	25gm	
	TC043-100G	100gm	
	TC043-500G	500gm	
	TC043-1KG	1kg	
<b>BIS-TRIS propane</b> 1,3-Bis[tris(hydroxy methyl) methylamino] propane Cell Culture Tested C <sub>11</sub> H <sub>26</sub> N <sub>6</sub> O <sub>6</sub> MW : 282.33 CAS : 64431-96-5 Assay : ≥99% Store below 30°C	TC267-25G	25gm	
	TC267-100G	100gm	
	TC267-500G	500gm	
<b>EPPS</b> (see : HEPPS) [N-(2-Hydroxyethyl)piperazine-N'-3-propanesulfonic acid] Cell Culture Tested C <sub>9</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub> S MW : 252.33 CAS : 16052-06-5 Assay : ≥99% Store below 30°C	TC063-25G	25gm	
	TC063-100G	100gm	
	TC063-500G	500gm	
	TC063-1KG	1kg	
<b>Ethanolamine hydrochloride</b> (2-Aminoethanol; 2-Amino ethyl alcohol; Monoethanolamine) Cell Culture Tested C <sub>2</sub> H <sub>7</sub> NO.HCl MW : 97.54 CAS : 2002-24-6 Assay : ≥99% Store below 30°C	TC044-5G	5gm	
	TC044-25G	25gm	
<b>Glycylglycine</b> (Gly-Gly) Cell Culture Tested C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> MW : 132.12 CAS : 556-50-3 Assay : ≥99% Store at 2 - 8°C	TC061-25G	25gm	
	TC061-100G	100gm	
	TC061-500G	500gm	
	TC061-1KG	1kg	

Product	Code	Packing	\$Price in ₹
<b>Glycyl-L-glutamine monohydrate</b> Cell Culture Tested C <sub>7</sub> H <sub>13</sub> N <sub>3</sub> O <sub>4</sub> .H <sub>2</sub> O MW : 221.21 CAS : 172669-64-6 Assay : ≥98% Store below 30°C	TC065-1G	1gm	
	TC065-5G	5gm	
<b>HEPES free acid</b> [N-(2-Hydroxyethyl)-piperazine-N'-(2-ethane sulphonic acid)] Cell Culture Tested C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub> S MW : 238.30 CAS : 7365-45-9 Assay : ≥99% Store below 30°C	TC050-25G	25gm	
	TC050-100G	100gm	
	TC050-500G	500gm	
	TC050-1KG	1kg	
<b>HEPES sodium salt</b> [N-(2-Hydroxyethyl)-piperazine-N'-(2-ethanesulfonic acid) sodium salt] Cell Culture Tested C <sub>8</sub> H <sub>17</sub> N <sub>2</sub> NaO <sub>5</sub> S MW : 260.29 CAS : 75277-39-3 Assay : ≥99% Store below 30°C	TC066-25G	25gm	
	TC066-100G	100gm	
	TC066-500G	500gm	
	TC066-1KG	1kg	
<b>HEPPS</b> (see : EPPS) [N-(2-Hydroxyethyl)piperazine-N-3-propanesulfonic acid] Cell Culture Tested C <sub>8</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub> S MW : 252.33 CAS : 16052-06-5 Assay : ≥99% Store below 30°C	TC063-25G	25gm	
	TC063-100G	100gm	
	TC063-500G	500gm	
	TC063-1KG	1kg	
<b>MES sodium salt</b> Cell Culture Tested C <sub>6</sub> H <sub>12</sub> NNaO <sub>5</sub> S MW : 217.22 CAS : 71119-23-8 Assay : ≥99% Store below 30°C	TC268-25G	25gm	
	TC268-100G	100gm	
	TC268-500G	500gm	
	TC268-1KG	1kg	
<b>MOPS Free acid</b> (3-(N-Morpholino)propanesulphonic acid) Cell Culture Tested C <sub>7</sub> H <sub>15</sub> NO <sub>5</sub> S MW : 209.26 CAS : 1132-61-2 Assay : ≥99% Store below 30°C	TC067-25G	25gm	
	TC067-100G	100gm	
	TC067-500G	500gm	
	TC067-1KG	1kg	
<b>MOPS sodium salt</b> (3-[N-Morpholino]-propanesulfonic acid) Cell Culture Tested C <sub>7</sub> H <sub>14</sub> NO <sub>5</sub> Na MW : 231.25 CAS : 71119-22-7 Assay : ≥98% Store below 30°C	TC269-25G	25gm	
	TC269-100G	100gm	
	TC269-500G	500gm	
	TC269-1KG	1kg	
<b>PIPES buffer</b> Cell Culture Tested C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub> S <sub>2</sub> MW : 302.37 CAS : 5625-37-6 Assay : ≥99% Store below 30°C	TC270-50G	50gm	
	TC270-100G	100gm	
<b>PIPES buffer Na salt</b> <span style="color: red; font-weight: bold;">New</span> Cell Culture Tested C <sub>8</sub> H <sub>17</sub> N <sub>2</sub> NaO <sub>5</sub> S <sub>2</sub> MW : 324.35 CAS : 10010-67-0 Assay : ≥99% Store below 30°C	TC738-25G	25gm	
	TC738-100G	100gm	
	TC738-500G	500gm	

## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>Potassium dihydrogen phosphate anhydrous</b> (Potassium phosphate monobasic; Monopotassium phosphate) Cell Culture Tested $KH_2PO_4$ MW : 136.09 CAS : 10010-67-0 Assay : ≥99% Store below 30°C	TC011-100G	100gm	
	TC011-500G	500gm	
	TC011-1KG	1kg	
	TC011-5KG	5kg	
<b>di-Potassium hydrogen phosphate anhydrous</b> di-Potassium phosphate, Potassium Hydrogen Phosphate Cell Culture Tested $K_2HPO_4$ MW : 174.174 CAS : 7758-11-4 Assay : ≥97% Store below 30°C	TC596-100G	100gm	
	TC596-500G	500gm	
<b>Sodium acetate anhydrous</b> (Acetic acid sodium salt) Cell Culture Tested $C_2H_3O_2Na$ MW : 82.03 CAS : 127-09-3 Assay : ≥99% Store below 30°C	TC023-100G	100gm	
	TC023-500G	500gm	
<b>Sodium bicarbonate</b> (Sodium hydrogen carbonate) Cell culture tested $NaHCO_3$ MW : 84.01 CAS : 144-55-8 Assay : ≥99.5% Store below 30°C	TC230-100G	100gm	
	TC230-500G	500gm	
	TC230-1KG	1kg	
	TC230-5KG	5kg	
<b>Sodium dihydrogen phosphate monohydrate</b> (Sodium phosphate monobasic; Monosodium phosphate) Cell Culture Tested $NaH_2PO_4 \cdot H_2O$ MW : 137.99 CAS : 10049-21-5 Assay : ≥98% Store below 30°C	TC068-100G	100gm	
	TC068-500G	500gm	
	TC068-1KG	1kg	
	TC068-5KG	5kg	
<b>di-Sodium hydrogen phosphate anhydrous</b> (Sodium phosphate dibasic; Disodium phosphate) Cell Culture Tested $Na_2HPO_4$ MW : 141.96 CAS : 7558-79-4 Assay : ≥99% Store below 30°C	TC051-100G	100gm	
	TC051-500G	500gm	
	TC051-1KG	1kg	
	TC051-5KG	5kg	
<b>di-Sodium hydrogen phosphate dihydrate</b> Sodium phosphate dibasic dihydrate Cell Culture Tested $Na_2HPO_4 \cdot 2H_2O$ MW : 177.99 CAS : 10028-24-7 Assay : ≥99% Store below 30°C	TC507-500G	500gm	
	TC507-1KG	1kg	
	TC507-5KG	5kg	
<b>di-Sodium hydrogen phosphate dodecahydrate</b> Sodium phosphate dibasic dodecahydrate Cell Culture Tested $Na_2HPO_4 \cdot 12H_2O$ MW : 358.14 CAS : 10039-32-4 Assay : ≥99% Store below 30°C	TC508-500G	500gm	
	TC508-5KG	5kg	

Product	Code	Packing	Price in ₹
<b>Sodium phosphate monobasic anhydrous</b> (Sodium phosphate monobasic) Cell Culture Tested $NaH_2PO_4$ MW : 119.98 CAS : 7558-80-7 Assay : ≥98% Store below 30°C	TC459-100G	100gm	
	TC459-500G	500gm	
	TC459-1KG	1kg	
	TC459-5KG	5kg	
<b>TAPS buffer</b> Cell Culture Tested $C_6H_{17}NO_8S$ MW : 243.28 CAS : 29915-38-6 Assay : ≥99.5% Store below 30°C	TC271-25G	25gm	
	TC271-100G	100gm	
	TC271-500G	500gm	
	TC271-1KG	1kg	
<b>TAPSO buffer</b> Cell Culture Tested $C_6H_{17}NO_8S$ MW : 259.28 CAS : 68399-81-5 Assay : ≥99% Store below 30°C	TC272-25G	25gm	
	TC272-100G	100gm	
	TC272-500G	500gm	
<b>TES buffer</b> Cell Culture Tested $C_6H_{15}NO_8S$ MW : 229.25 CAS : 7365-44-8 Assay : ≥99% Store below 30°C	TC273-25G	25gm	
	TC273-100G	100gm	
<b>Tricine</b> (N-Tris[hydroxymethyl]-methyl-glycine); (N-[2-Hydroxy-1,1-bis-(hydroxymethyl)ethylglycine]) Cell Culture Tested $C_8H_{15}NO_8$ MW : 179.17 CAS : 5704-04-1 Assay : ≥99% Store below 30°C	TC069-25G	25gm	
	TC069-100G	100gm	
	TC069-500G	500gm	
	TC069-1KG	1kg	
<b>Tris base</b> [Tris(hydroxymethyl) aminomethane] Cell Culture Tested $C_4H_{11}NO_3$ MW : 121.14 CAS : 77-86-1 Assay : ≥99% Store below 30°C	TC072-100G	100gm	
	TC072-500G	500gm	
	TC072-1KG	1kg	
<b>Tris hydrochloride</b> [Tris (hydroxymethyl) aminomethane hydrochloride] Cell Culture Tested $C_4H_{11}NO_3 \cdot HCl$ MW : 157.60 CAS : 1185-53-1 Assay : ≥98% Store below 30°C	TC073-100G	100gm	
	TC073-500G	500gm	

Product	Code	Packing	\$Price in ₹
<b>Biochemicals and Components</b>			
<b>N-Acetyl-D-glucosamine</b> Cell Culture Tested $C_8H_{15}NO_5$ MW: 221.21 CAS: 7512-17-6 Assay: $\geq 98.5\%$ Store at 2 - 8°C	TC081-10G TC081-25G TC081-100G	10gm 25gm 100gm	
<b>Adipic acid dihydrazide</b> <span style="color: red;">New</span> Cell Culture Tested $C_8H_{14}N_2O_2$ MW: 174.20 CAS: 1071-93-8 Assay: $\geq 98.5\%$ Store at 2 - 8°C	TC751-25G TC751-100G	25gm 100gm	
<b>Adonitol</b> (Adonite, Ribitol) Cell Culture Tested $C_8H_{12}O_5$ MW: 152.15 CAS: 488-81-3 Assay: $\geq 99\%$ Store below 30°C	TC086-10G TC086-25G TC086-100G	10gm 25gm 100gm	
<b>L-<math>\alpha</math>-Amino-n-butyric acid</b> (L-(+)-2-Aminobutyric acid) Cell Culture Tested $C_4H_7NO_2$ MW: 103.12 CAS: 1492-24-6 Assay: $\geq 98\%$ Store below 30°C	TC090-250MG TC090-1G TC090-5G	250mg 1gm 5gm	
<b>Aminopterin</b> (4-Aminofolic acid) Cell Culture Tested $C_{19}H_{20}N_6O_5$ MW: 440.41 CAS: 54-62-6 Assay: $\geq 98\%$ Store at 2 - 8°C	TC091-10MG TC091-25MG TC091-100MG	10mg 25mg 100mg	
<b>Ammonium chloride</b> Cell Culture Tested $NH_4Cl$ MW: 53.49 CAS: 12125-02-9 Assay: $\geq 99.5\%$ Store below 30°C	TC092-100G TC092-500G	100gm 500gm	
<b>Aprotinin</b> Source: Bovine lung Cell Culture Tested $C_{284}H_{432}N_{84}O_{75}S_7$ MW: 6511.44 CAS: 9087-70-1 Store at 2 - 8°C	TC717-25MG TC717-50MG	25mg 50mg	
<b>BAPTA AM</b> 1,2-Bis(2-aminophenoxy)ethane-N,N,N',N'-tetraacetic acid tetrakis (acetoxymethyl ester) Cell Culture Tested $C_{44}H_{40}N_{12}O_{18}$ MW: 764.68 CAS: 126150-97-8 Store below -20°C	TC723-25MG	25mg	

Product	Code	Packing	\$Price in ₹
<b>Calcium chloride anhydrous</b> Cell Culture Tested $CaCl_2$ MW: 110.98 CAS: 10043-52-4 Assay: $\geq 93\%$ Store below 30°C	TC097-100G TC097-500G	100gm 500gm	
<b>Calcium chloride dihydrate</b> Cell Culture Tested $CaCl_2 \cdot 2H_2O$ MW: 147.01 CAS: 10035-04-8 Assay: $\geq 98\%$ Store below 30°C	TC001-500G TC001-1KG	500gm 1kg	
<b>Calcium nitrate tetrahydrate</b> Cell Culture Tested $Ca(NO_3)_2 \cdot 4H_2O$ MW: 236.15 CAS: 13477-34-4 Assay: $\geq 99\%$ Store below 30°C	TC099-500G TC099-1KG	500gm 1kg	
<b>Calcium sulfate, anhydrous</b> Cell Culture Tested $CaSO_4$ MW: 136.14 CAS: 7778-18-9 Assay: $\geq 96\%$ Store below 30°C	TC502-500G	500gm	
<b>Charcoal, activated</b> HCl-washed Cell Culture Tested C AW: 12.01 CAS: 7440-44-0 Store below 30°C	TC100-500G TC100-5KG	500gm 5kg	
<b>Citric acid anhydrous</b> Cell Culture Tested $C_6H_8O_7$ MW: 192.12 CAS: 77-92-9 Assay: $\geq 99\%$ Store below 30°C	TC105-100G TC105-500G	100gm 500gm	
<b>Citric acid tripotassium salt</b> (Tripotassium citrate monohydrate) Cell Culture Tested $C_6H_5K_3O_7 \cdot H_2O$ MW: 324.41 CAS: 6100-05-6 Assay: $\geq 99\%$ Store below 30°C	TC106-500G	500gm	
<b>Cobalt chloride hexahydrate</b> Cell Culture Tested $CoCl_2 \cdot 6H_2O$ MW: 237.93 CAS: 7791-13-1 Assay: $\geq 98\%$ Store below 30°C	TC107-25G TC107-100G	25gm 100gm	
<b>Colcemid®</b> Demecolcine Cell Culture Tested $C_{21}H_{25}NO_5$ MW: 371.43 CAS: 477-30-5 Assay: $\geq 95\%$ Store at 2 - 8°C	TC566-5MG TC566-10MG TC566-50MG	5mg 10mg 50mg	
<b>Colchicine</b> Cell Culture Tested $C_{22}H_{25}NO_6$ MW: 399.44 CAS: 64-86-8 Assay: $\geq 95\%$ Store below 30°C	TC030-500MG TC030-1G TC030-10G	500gm 1gm 10gm	

## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>Concanavalin A</b> Cell Culture Tested CAS : 11028-71-0 Assay : ≥90% Store at 2 - 8°C	TC220-25MG TC220-100MG	25mg 100mg	
<b>Cupric chloride dihydrate</b> Cell Culture Tested CuCl <sub>2</sub> ·2H <sub>2</sub> O MW : 170.48 CAS : 10125-13-0 Assay : ≥99% Store below 30°C	TC108-100G TC108-500G	100gm 500gm	
<b>Cupric sulphate pentahydrate</b> Cell Culture Tested CuSO <sub>4</sub> ·5H <sub>2</sub> O MW : 249.69 CAS : 7758-99-8 Assay : ≥98.5% Store below 30°C	TC003-500G TC003-1KG	500gm 1kg	
<b>1-Cyano-4-dimethylaminopyridinium tetrafluoroborate</b> <span style="color:red">New</span> CDAP Cell Culture Tested C <sub>8</sub> H <sub>10</sub> BF <sub>4</sub> N <sub>3</sub> MW : 234.99 CAS : 59016-56-7 Store below -20°C	TC749-100MG TC749-500MG	100mg 500mg	
<b>Cytochalasin B</b> Cell Culture Tested C <sub>23</sub> H <sub>37</sub> NO <sub>5</sub> MW : 479.61 CAS : 14930-96-2 Assay : ≥98% Store at -20 °C	TC224-5MG TC224-5X5MG	5mg 5X5mg	
<b>DL-Dithiothreitol</b> Threo-1,4-Dimercapto-2,3-butanediol, Cleland's reagent, DTT Cell Culture Tested HSCH <sub>2</sub> CH(OH)CH(OH)CH <sub>2</sub> SH MW : 154.25 CAS : 3483-12-3 Assay : ≥99% Store at 2 - 8°C	TC540-1G TC540-5G TC540-25G	1gm 5gm 25gm	
<b>N,N-dimethylformamide</b> DMF Cell Culture Tested C <sub>3</sub> H <sub>7</sub> NO MW : 73.09 CAS : 68-12-2 Assay : ≥99% Store below 30°C	TC736-500ML	500ml	
<b>N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride</b> <span style="color:red">New</span> EDAC Cell Culture Tested C <sub>8</sub> H <sub>17</sub> N <sub>3</sub> ·HCl MW : 191.70 CAS : 25952-53-8 Assay : ≥99% Store below 30°C	TC750-1G TC750-5G TC750-10G TC750-25G	1gm 5gm 10gm 25gm	
<b>EDTA free acid anhydrous</b> Cell Culture Tested C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub> MW : 292.24 CAS : 60-00-4 Assay : ≥99% Store below 30°C	TC115-100G TC115-500G	100gm 500gm	

Product	Code	Packing	Price in ₹
<b>EDTA disodium salt dihydrate</b> Cell Culture Tested C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> O <sub>8</sub> Na <sub>2</sub> ·2H <sub>2</sub> O MW : 372.24 CAS : 6381-92-6 Assay : ≥99% Store below 30°C	TC038-500G TC038-1KG TC038-5KG	500gm 1kg 5kg	
<b>EDTA tetrasodium salt dihydrate</b> Cell Culture Tested C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> Na <sub>4</sub> O <sub>8</sub> ·2H <sub>2</sub> O MW : 416.2 CAS : 10378-23-1 Assay : ≥99% Store below 30°C	TC116-100G TC116-500G	100gm 500gm	
<b>EGTA</b> Ethylene glycol-bis(2-aminoethyl ether)-N,N,N',N'-tetraaceticacid Cell Culture Tested C <sub>14</sub> H <sub>24</sub> N <sub>2</sub> O <sub>10</sub> MW : 380.35 CAS : 67-42-5 Assay : ≥97% Store below 30°C	TC721-10G TC721-25G TC721-100G	10gm 25gm 100gm	
<b>EGTA AM</b> Ethylene glycol-bis(β-aminoethyl ether)-N,N,N',N'-tetraacetoxymethyl ester Cell Culture Tested MW : C <sub>28</sub> H <sub>40</sub> N <sub>2</sub> O <sub>8</sub> CAS : 99590-86-0 Assay : ≥95% Store at -20°C	TC722-10MG	10mg	
<b>Ferric ammonium citrate, Brown</b> Ammonium iron(III) citrate Cell Culture Tested CAS : 1185-57-5 Assay : 16.5-22.5% Fe Store below 30°C	TC453-100G TC453-500G	100gm 500gm	
<b>Ferric chloride anhydrous</b> Ferric chloride Cell Culture Tested FeCl <sub>3</sub> MW : 162.2 CAS : 7705-08-0 Assay : ≥98% Store below 30°C	TC583-5G TC583-25G TC583-100G	5gm 25gm 100gm	
<b>Ferric citrate monohydrate</b> Cell Culture Tested C <sub>6</sub> H <sub>5</sub> FeO <sub>7</sub> ·H <sub>2</sub> O MW : 262.96 CAS : 2338-05-8 Assay : 18-22% Fe Store below 30°C	TC117-250G TC117-500G TC117-1KG	250gm 500gm 1kg	
<b>Ferric nitrate nonahydrate</b> Cell Culture Tested Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O MW : 404 CAS : 7782-61-8 Assay : ≥98% Store below 30°C	TC118-100G TC118-500G	100gm 500gm	
<b>Ferrous sulphate heptahydrate</b> Cell Culture Tested FeSO <sub>4</sub> ·7H <sub>2</sub> O MW : 278.01 CAS : 7782-63-0 Assay : ≥99.5% Store below 30°C	TC119-500G TC119-1KG	500gm 1kg	

Product	Code	Packing	\$Price in ₹
<b>Fumaric acid</b> Cell Culture Tested $C_4H_4O_4$ MW : 116.07 CAS : 110-17-8 Assay : $\geq 99\%$ Store below 30°C	TC125-100G TC125-500G	100gm 500gm	
<b>Glutathione oxidized</b> Aminomethanamide hydrochloride, Guanidinium chloride Cell Culture Tested $C_{20}H_{32}N_6O_{12}S_2$ MW : 612.63 CAS : 27025-41-8 Assay : $\geq 98\%$ Store at 2 - 8°C	TC282-100MG TC282-250MG TC282-1G TC282-5G	100mg 250mg 1gm 5gm	
<b>Glutathione reduced</b> (GSH) Cell Culture Tested $C_{10}H_{17}N_3O_6S$ MW : 307.32 CAS : 70-18-8 Assay : $\geq 98\%$ Store at 2 - 8°C	TC134-5G TC134-10G TC134-25G TC134-100G	5gm 10gm 25gm 100gm	
<b>Heparin sodium salt</b> Cell Culture Tested CAS : 9041-08-1 Potency : $\geq 140$ USP U/mg Store at 2 - 8°C	TC138- 1X100000IU TC138- 10X100000IU	1x 100000iu 10X 100000iu	
<b>Hypoxanthine</b> (6-Hydroxypurine) Cell Culture Tested $C_5H_4N_4O$ MW : 136.11 CAS : 68-94-0 Assay : $\geq 99\%$ Store below 30°C	TC139-5G TC139-25G	5gm 25gm	
<b>Inomycin Calcium salt</b> Cell Culture Tested MW : 747.07 CAS : 56092-82-1 Assay : $\geq 98\%$ Store at 2 - 8°C	TC711-10MG	10mg	
<b>4-Isopropylbenzoic acid</b> Cumic acid, Cuminic acid Cell Culture Tested $(CH_3)_2CHC_6H_4CO_2H$ MW : 164.2 CAS : 536-66-3 Assay : $\geq 98\%$ Store below 30°C	TC539-5G TC539-25G	5gm 25gm	
<b>myo-Inositol</b> (meso-Inositol; I-Inositol) Cell Culture Tested $C_6H_{12}O_6$ MW : 180.16 CAS : 87-89-8 Assay : $\geq 97\%$ Store below 30°C	TC140-25G TC140-100G TC140-500G TC140-1KG	25gm 100gm 500gm 1kg	
<b><math>\alpha</math>-Ketoglutaric acid</b> Cell Culture Tested $C_5H_8O_5$ MW : 146.1 CAS : 328-50-7 Assay : $\geq 99\%$ Store at 2 - 8°C	TC141-25G TC141-100G TC141-500G	25gm 100gm 500gm	

Product	Code	Packing	\$Price in ₹
<b>L-Lactic acid sodium salt</b> (Sodium-L-lactate) Cell Culture Tested $C_3H_5NaO_3$ MW : 112.06 CAS : 867-56-1 Assay : $\geq 99\%$ Store at 2 - 8°C	TC142-5G TC142-25G	5gm 25gm	
<b>N-Lauroylsarcosine Sodium Salt</b> N-Dodecanoyl-N-methylglycine sodium salt Cell Culture Tested $CH_3(CH_2)_{10}CON(CH_3)CH_2COONa$ MW : 293.38 CAS : 137-16-6 Assay : $\geq 99\%$ Store below 30°C	TC541-5G TC541-25G	5gm 25gm	
<b>Lithium lactate</b> Cell Culture Tested $C_3H_5LiO_3$ MW : 96.01 CAS : 867-55-0 Assay : $\geq 95\%$ Store below 30°C	TC713-100G	100gm	
<b>D-Luciferin, free acid</b> Cell Culture Tested $C_{11}H_8N_2O_2S_2$ MW : 280.32 CAS : 2591-17-5 Store at -20°C	TC728-1MG TC728-10MG	1mg 10mg	
<b>Magnesium chloride anhydrous</b> Cell Culture Tested $MgCl_2$ MW : 95.21 CAS : 7786-30-3 Assay : $\geq 97\%$ Store below 30°C	TC186-100G TC186-1KG	100gm 1kg	
<b>Magnesium chloride hexahydrate</b> Cell Culture Tested $MgCl_2 \cdot 6H_2O$ MW : 203.30 CAS : 7791-18-6 Assay : $\geq 99\%$ Store below 30°C	TC006-100G TC006-500G	100gm 500gm	
<b>Magnesium sulfate anhydrous</b> Cell Culture Tested $MgSO_4$ MW : 120.37 CAS : 7487-88-9 Assay : $\geq 99\%$ Store below 30°C	TC146-500G TC146-1KG	500gm 1kg	
<b>Manganese (II) sulphate monohydrate</b> Cell Culture Tested $MnSO_4 \cdot H_2O$ MW : 169.02 CAS : 10034-96-5 Assay : $\geq 99\%$ Store below 30°C	TC149-100G TC149-500G	100gm 500gm	
<b>2-Mercaptoethanol</b> Cell Culture Tested $C_2H_6OS$ MW : 78.13 CAS : 60-24-2 Assay : $\geq 99\%$ Store below 30°C	TC152-100ML TC152-250ML TC152-500ML	100ml 250ml 500ml	
<b>Nickel (II) chloride hexahydrate</b> Cell Culture Tested $NiCl_2 \cdot 6H_2O$ MW : 237.69 CAS : 7791-20-0 Assay : $\geq 98\%$ Store below 30°C	TC155-100G TC155-500G	100gm 500gm	



## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>β-Nicotinamide adenine dinucleotide, reduced disodium salt hydrate (NADH)</b> Cell Culture Tested C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> Na <sub>2</sub> O <sub>14</sub> P <sub>2</sub> ·xH <sub>2</sub> O MW : 709.40 CAS : 606-68-8 (anhydrous basis) Assay : ≥97% Store at -20°C	TC699-100MG	100mg	
	TC699-500MG	500mg	
	TC699-1G	1gm	
	TC699-5G	5gm	
<b>Nicotinamide adenine dinucleotide phosphate disodium salt (NADP)</b> Cell Culture Tested C <sub>21</sub> H <sub>26</sub> N <sub>7</sub> Na <sub>2</sub> O <sub>17</sub> P <sub>3</sub> MW : 787.37 CAS : 24292-60-2 Assay : ≥90% Store at 2 - 8°C	TC700-50MG	50mg	
	TC700-250MG	250mg	
	TC700-1G	1gm	
<b>Nicotinamide adenine dinucleotide 2'-phosphate reduced tetrasodium salt hydrate (NADPH)</b> Cell Culture Tested C <sub>21</sub> H <sub>26</sub> N <sub>7</sub> Na <sub>4</sub> O <sub>17</sub> P <sub>3</sub> ·xH <sub>2</sub> O MW : 833.35 CAS : 2646-71-1 Store at 2 - 8°C	TC701-100MG	100mg	
	TC701-500MG	500mg	
	TC701-1G	1gm	
<b>p-Nitrophenol</b> <span style="color:red">New</span> Cell Culture Tested C <sub>6</sub> H <sub>5</sub> NO <sub>3</sub> MW : 139.11 CAS : 100-02-7 Assay : ≥98% Store below 30°C	TC702-5G	5gm	
TC702-25G	25gm		
<b>Orthophosphoric acid</b> Phosphoric acid Cell Culture Tested H <sub>3</sub> PO <sub>4</sub> MW : 98 CAS : 7664-38-2 Assay : ≥85% Store below 30°C	TC533-100G	100gm	
	TC533-500G	500gm	
<b>Oxalacetic acid</b> Cell Culture Tested C <sub>4</sub> O <sub>5</sub> H <sub>4</sub> MW : 132.07 CAS : 328-42-7 Assay : ≥95% Store at 2 - 8°C	TC158-1G	1gm	
	TC158-5G	5gm	
	TC158-25G	25gm	
	TC158-100G	100gm	
<b>Paraformaldehyde</b> Cell Culture Tested HO(CH <sub>2</sub> O) <sub>n</sub> H MW : 30.03 CAS : 30525-89-4 (as monomer) Assay : ≥95% Store below 30°C	TC703-500G	500gm	
	TC703-1KG	1kg	
<b>PHA-M</b> (Phytohemagglutinin-M) Cell Culture Tested CAS : 9008-97-3 Store at -20°C	TC209-10MG	10mg	
	TC209-25MG	25mg	
	TC209-4X25MG	4x25mg	
<b>PHA-P</b> (Phytohemagglutinin-P) Cell Culture Tested CAS : 9008-97-3 Activity : ≤62.5 mcg/ml Store at -20°C	TC226-5MG	5mg	
	TC226-5X5MG	5x5mg	

Product	Code	Packing	Price in ₹
<b>Phenylmethanesulfonyl fluoride (PMSF)</b> Cell Culture Tested C <sub>7</sub> H <sub>7</sub> FO <sub>2</sub> S CAS : 329-98-6 Assay : ≥99% Store below 30°C	TC706-1G	1gm	
	TC706-5G	5gm	
	TC706-25G	25gm	
<b>Polyethylene glycol (PEG) 6000</b> <span style="color:red">New</span> PEG 6000 Cell Culture Tested (OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> OH CAS : 25322-68-3 Assay : ≥99% Store below 30°C	TC740-1KG	1kg	
	TC740-5KG	5kg	
<b>Potassium chloride</b> Cell Culture Tested KCl MW : 74.55 CAS : 7447-40-7 Assay : ≥98.5% Store below 30°C	TC010-250G	250gm	
	TC010-500G	500gm	
	TC010-1KG	1kg	
<b>Potassium hydroxide pellets</b> Potash caustic Cell Culture Tested KOH MW : 56.11 CAS : 1310-58-3 Assay : ≥85% Store below 30°C	TC505-500G	500gm	
	TC505-5KG	5kg	
<b>Potassium nitrate</b> Cell Culture Tested KNO <sub>3</sub> MW : 101.10 CAS : 7757-79-1 Assay : ≥99% Store below 30°C	TC161-500G	500gm	
	TC161-1KG	1kg	
<b>Putrescine dihydrochloride</b> Cell Culture Tested C <sub>4</sub> H <sub>12</sub> N <sub>2</sub> ·2HCl MW : 161.07 CAS : 333-93-7 Assay : ≥98% Store below 30°C	TC163-5G	5gm	
	TC163-25G	25gm	
<b>Pyruvic acid sodium salt</b> (See: Sodium pyruvate) Cell Culture Tested C <sub>3</sub> H <sub>3</sub> O <sub>3</sub> Na MW : 110.04 CAS : 113-24-6 Assay : ≥99% Store below 30°C	TC166-25G	25gm	
	TC166-100G	100gm	
	TC166-250G	250gm	
	TC166-1KG	1kg	
<b>Sodium acetate trihydrate</b> Acetic acid sodium salt trihydrate Cell Culture Tested CH <sub>3</sub> COONa·3H <sub>2</sub> O MW : 136.08 CAS : 6131-90-4 Assay : ≥98% Store below 30°C	TC456-250G	250gm	
	TC456-500G	500gm	
	TC456-1KG	1kg	
	TC456-5KG	5kg	
<b>Sodium azide</b> Cell Culture Tested NaN <sub>3</sub> MW : 65.01 CAS : 26628-22-8 Assay : ≥99% Store below 30°C	TC704-25G	25gm	
	TC704-100G	100gm	
	TC704-500G	500gm	

Product	Code	Packing	\$Price in ₹
<b>Sodium butyrate</b> Butyric acid sodium salt Cell Culture Tested $CH_3CH_2CH_2COONa$ MW : 110.09 CAS : 156-54-7 Assay : ≥99% Store below 30°C	TC471-5G	5gm	
	TC471-100G	100gm	
	TC471-500G	500gm	
<b>Sodium chloride</b> Cell Culture Tested NaCl MW : 58.44 CAS : 7647-14-5 Assay : ≥99% Store below 30°C	TC046-500G	500gm	
	TC046-1KG	1kg	
	TC046-5KG	5kg	
	TC046-10KG	10kg	
<b>tri-Sodium citrate dihydrate</b> Cell Culture Tested $Na_3C_6H_5O_7 \cdot 2H_2O$ MW : 294.10 CAS : 6132-04-3 Assay : ≥99% Store below 30°C	TC249-500G	500gm	
	TC249-1KG	1kg	
	TC249-5KG	5kg	
<b>Sodium hydroxide pellets</b> Caustic Soda Cell Culture Tested NaOH MW : 40 CAS : 1310-73-2 Assay : ≥97% Store below 30°C	TC460-500G	500gm	
	TC460-1KG	1kg	
	TC460-5KG	5kg	
<b>Sodium pyruvate</b> (See: Pyruvic acid sodium salt) Cell Culture Tested $C_3H_3O_2Na$ MW : 110.04 CAS : 113-24-6 Assay : ≥99% Store below 30°C	TC166-25G	25gm	
	TC166-100G	100gm	
	TC166-250G	250gm	
	TC166-1KG	1kg	
<b>Sodium selenite</b> Cell Culture Tested $Na_2SeO_3$ MW : 172.94 CAS : 10102-18-8 Assay : ≥99% Store below 30°C	TC169-10G	10gm	
	TC169-25G	25gm	
	TC169-100G	100gm	
<b>Sodium succinate hexahydrate</b> Cell Culture Tested $C_4H_4O_6 \cdot Na_2 \cdot 6H_2O$ MW : 270.14 CAS : 6106-21-4 Assay : ≥99% Store below 30°C	TC219-25G	25gm	
	TC219-100G	100gm	
	TC219-500G	500gm	
<b>Sodium taurodeoxycholate hydrate</b> Cell Culture Tested $C_{26}H_{44}NO_9SNa \cdot XH_2O$ MW : 521.69 CAS : 207737-97-1 (anhydrous basis) Assay : ≥99% Store below 30°C	TC347-500MG	500mg	
	TC347-1G	1gm	
	TC347-5G	5gm	
<b>Spermine (Free base)</b> Cell Culture Tested $C_{10}H_{26}N_4$ MW : 202.34 CAS : 71-44-3 Assay : ≥96% Store at 2 - 8°C	TC275-1G	1gm	
	TC275-5G	5gm	

Product	Code	Packing	\$Price in ₹
<b>Spermidine</b> Cell Culture Tested $C_7H_{19}N_3$ MW : 145.25 CAS : 124-20-9 Assay : ≥98% Store at 2 - 8°C	TC276-1G	1gm	
	TC276-5G	5gm	
<b>Succinic acid, Free acid</b> Cell Culture Tested $C_4H_6O_4$ MW : 118.09 CAS : 110-15-6 Assay : ≥99% Store below 30°C	TC047-100G	100gm	
	TC047-500G	500gm	
<b>TMB</b> 3,3',5,5' Tetramethyl benzidine Cell Culture Tested $C_{16}H_{20}N_2$ MW : 240.34 CAS : 54827-17-7 Assay : ≥99% Store below 30°C	TC705-100MG	100mg	
	TC705-1G	1gm	
	TC705-5G	5gm	
<b>Trimethyloxonium tetrafluoroborate</b> <span style="color: red;">New</span> Cell Culture Tested $(CH_3)_3O(BF_4)$ MW : 147.91 CAS : 420-37-1 Assay : ≥99% Store below 30°C	TC753-1G	1gm	
	TC753-10G	10gm	
<b>Urea</b> (Carbamide) Cell Culture Tested $CH_4N_2O$ MW : 60.06 CAS : 57-13-6 Assay : ≥99.5% Store below 30°C	TC180-500G	500gm	
	TC180-1KG	1kg	
	TC180-5KG	5kg	
<b>Zinc chloride anhydrous</b> Cell Culture Tested $ZnCl_2$ MW : 136.3 CAS : 7646-85-7 Assay : ≥97% Store below 30°C	TC184-100G	100gm	
	TC184-500G	500gm	
	TC184-1KG	1kg	
<b>Zinc sulfate heptahydrate</b> Cell Culture Tested $ZnSO_4 \cdot 7H_2O$ MW : 287.56 CAS : 7446-20-0 Assay : ≥99.5% Store below 30°C	TC131-100G	100gm	
	TC131-500G	500gm	
<b>Carbohydrates</b>			
<b>D-(-)-Fructose</b> (Fruit sugar) Cell Culture Tested $C_6H_{12}O_6$ MW : 180.16 CAS : 57-48-7 Assay : ≥99.5% Store below 30°C	TC124-100G	100gm	
	TC124-500G	500gm	
	TC124-5KG	5kg	
<b>L-(-)-Fucose</b> Fucose Cell Culture Tested $C_6H_{12}O_5$ MW : 164.16 CAS : 2438-80-4 Assay : ≥95% Store below 30°C	TC611-25G	25gm	
	TC611-100G	100gm	

## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>D-(+)-Galactosamine hydrochloride</b> Cell Culture Tested C <sub>6</sub> H <sub>13</sub> NO <sub>5</sub> .HCl MW : 215.63 CAS : 1772-03-8 Assay : ≥99% Store below 30°C	TC126-500MG TC126-1G TC126-5G	500mg 1gm 5gm	
<b>D-(+)-Galactose anhydrous</b> Cell Culture Tested C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> MW : 180.16 CAS : 59-23-4 Assay : ≥98% Store below 30°C	TC127-100G TC127-500G TC127-1KG	100gm 500gm 1kg	
<b>D-(+)-Glucosamine hydrochloride</b> Cell Culture Tested C <sub>6</sub> H <sub>13</sub> NO <sub>5</sub> .HCl MW : 215.63 CAS : 66-84-2 Assay : ≥98% Store below 30°C	TC129-100G TC129-500G	100gm 500gm	
<b>D-(+)-Glucose anhydrous</b> (Dextrose anhydrous) Cell Culture Tested C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> MW : 180.16 CAS : 50-99-7 Assay : ≥99% Store below 30°C	TC130-100G TC130-1KG TC130-5KG TC130-10KG	100gm 1kg 5kg 10kg	
<b>D-(+)-Glucose monohydrate</b> (Dextrose monohydrate) Cell Culture Tested C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> .H <sub>2</sub> O MW : 198.17 CAS : 14431-43-7 Assay : ≥99% Store below 30°C	TC208-500G TC208-1KG TC208-5KG TC208-10KG	500gm 1kg 5kg 10kg	
<b>D-Glucuronic acid sodium salt monohydrate</b> (Sodium glucuronate) Cell Culture Tested C <sub>6</sub> H <sub>6</sub> NaO <sub>7</sub> .H <sub>2</sub> O MW : 234.14 CAS : 207300-70-7 Assay : ≥98% Store below 30°C	TC128-5G TC128-25G	5gm 25gm	
<b>Lactose monohydrate</b> (Milk Sugar) Cell Culture Tested C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> .H <sub>2</sub> O MW : 360.31 CAS : 64044-51-5 Assay : ≥99% Store below 30°C	TC144-500G TC144-5KG	500gm 5kg	
<b>Maltose monohydrate</b> Cell Culture Tested C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> .H <sub>2</sub> O MW : 360.31 CAS : 6363-53-7 Assay : ≥95% Store below 30°C	TC148-100G TC148-500G TC148-1KG	100gm 500gm 1kg	
<b>D-Mannitol</b> Mannite Cell Culture Tested C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> MW : 182.17 CAS : 69-65-8 Assay : ≥99.50% Store below 30°C	TC513-25G TC513-100G	25gm 100gm	

Product	Code	Packing	Price in ₹
<b>D-(+)-Mannose</b> Cell Culture Tested C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> MW : 180.16 CAS : 3458-28-4 Assay : ≥99% Store below 30°C	TC150-25G TC150-100G TC150-500G	25gm 100gm 500gm	
<b>D-(+)-Raffinose pentahydrate</b> (Melitose; Melitriose) Cell Culture Tested C <sub>18</sub> H <sub>32</sub> O <sub>16</sub> .5H <sub>2</sub> O MW : 594.51 CAS : 17629-30-0 Assay : ≥98% Store below 30°C	TC162-25G TC162-100G TC162-500G	25gm 100gm 500gm	
<b>D-(-)-Ribose</b> Cell Culture Tested C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> MW : 150.13 CAS : 50-69-1 Assay : ≥99% Store at 2 - 8°C	TC168-25G TC168-100G	25gm 100gm	
<b>D-(-)-Sorbitol</b> Cell Culture Tested C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> MW : 182.17 CAS : 50-70-4 Assay : ≥98% Store below 30°C	TC170-500G TC170-1KG TC170-5KG	500gm 1kg 5kg	
<b>Sucrose</b> Source : Sugarcane Cell Culture Tested C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> MW : 342.30 CAS : 57-50-1 Assay : ≥99% Store below 30°C	TC048-500G TC048-1KG TC048-5KG	500gm 1kg 5kg	
<b>Sucrose</b> Source : Beet root Cell Culture Tested C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> MW : 342.30 CAS : 57-50-1 Assay : ≥99.8% Store below 30°C	TC648-500G TC648-1KG TC648-5KG	500gm 1kg 5kg	
<b>D-(+)-Trehalose dihydrate</b> Cell Culture Tested C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> .2H <sub>2</sub> O MW : 378.33 CAS : 6138-23-4 Assay : ≥98% Store below 30°C	TC177-10G TC177-25G TC177-100G	10gm 25gm 100gm	
<b>Carrier Proteins</b>			
<b>AlbuXL™</b> Cell Culture Tested Assay : ≥98% Store at 2 - 8°C	TC265-25G TC265-100G	25gm 100gm	
<b>Bovine serum Albumin</b> Cell Culture Tested Ultra-low IgG Assay : ≥96% Store at 2 - 8°C	TC545-5G TC545-25G TC545-100G TC545-500G	5gm 25gm 100gm 500gm	

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	TC265	TC194	TC348	TC545	TC546	TC548
	AlbuXL	BSA Fraction V	Low fatty acid	Ultra low IgG	Diagnostic grade	Manufacturing grade, AUS/NZ origin
Purity	>=98%	>=98%	>=95%	>=96%	>=98%	>=96%
Protease	NA	NA	NA	NA	Not detected	Not detected
Endotoxin	NA	NA	NA	NA	NA	<=2.0EU/mg
IgG	NA	NA	NA	<=10ug/g	NA	<=50ug/g
Microbial count	<=100CFU/g	NA	<=100CFU/g	<=100CFU/g	<=100CFU/g	<=100CFU/g
Total lipids	NA	NA	<=2.0mg/g	<=2.0mg/g	<=3.5mg/g	<=2.0mg/g
Viruses (BRSV, BVD, IBR, PIV-3)	NA	NA	Negative	Negative	NA	Negative
Mycoplasma	NA	NA	Negative	Negative	Negative	Negative

	TC265	TC194	TC348	TC545	TC546	TC548
Culture media supplement (Animal and insect)	•		•			•
Plasmodium parasite culture	•					
Blocking agent in ELISA		•	•	•	•	•
Binding and transport studies			•		•	•
Protein standard	•	•			•	•
Stabilizer/ diluent in enzyme systems			•		•	•
Immunocytochemistry						
RIA systems				•	•	•
Serology	•		•			•
Immunohematology			•		•	•
Blood banking reagents			•		•	•
Antibody purification				•		
Carrier for hapten			•		•	•
Protein base / filler		•				•
Vaccine manufacturing						•

## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>Bovine serum Albumin</b>	TC546-5G	5gm	
Cell Culture Tested	TC546-25G	25gm	
Protease free, Diagnostic grade	TC546-100G	100gm	
Assay : ≥98%	TC546-500G	500gm	
Store at 2 - 8° C			
<b>Bovine serum Albumin</b>	TC548-5G	5gm	
Cell Culture Tested	TC548-25G	25gm	
Manufacturing grade	TC548-100G	100gm	
New Zealand/ Australia origin			
Assay : ≥96%			
Store at 2 - 8° C			
<b>Bovine serum Albumin Fraction-V</b>	TC194-5G	5gm	
Cell Culture Tested	TC194-25G	25gm	
Assay : ≥98%	TC194-100G	100gm	
Store at 2 - 8° C	TC194-500G	500gm	
<b>Bovine Serum Albumin, pH 7.0</b>	TC348-10G	10gm	
Low Fatty acid	TC348-25G	25gm	
Cell Culture Tested	TC348-50G	50gm	
Assay : ≥95%			
Store at 2 - 8° C			
<b>Human serum albumin</b>	TC613-1G	1gm	
Low Fatty acid	TC613-5G	5gm	
Cell Culture Tested	TC613-25G	25gm	
MW : 66.4 kDa CAS : 70024-90-7			
Assay : ≥96%			
Store at 2 - 8° C			

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## Cell Dissociation Products

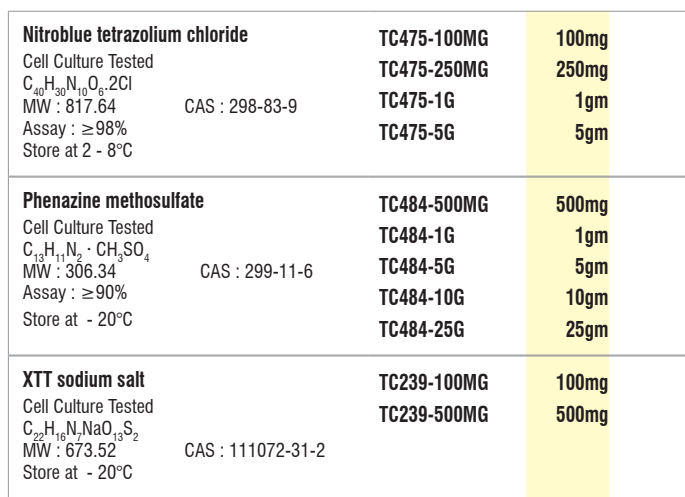
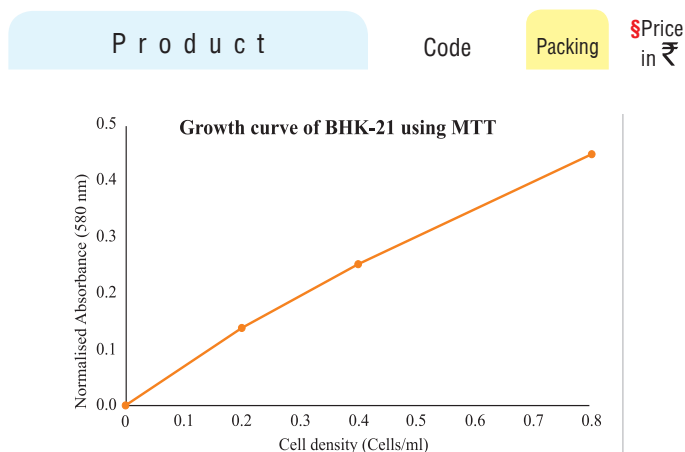
<b>Catalase</b>	TC037-1G	1gm	
Source : Bovine Liver	TC037-5G	5gm	
Cell Culture Tested	TC037-10G	10gm	
CAS : 9001-05-2			
Activity : 2000-5000 U/mg protein			
Store at 2 - 8° C			
<b>Collagenase Type I</b>	TC211-100MG	100mg	
Source : <i>Clostridium histolyticum</i>	TC211-500MG	500mg	
Suggested for epithelial, liver, lung and adrenal primary cell isolations	TC211-1G	1gm	
Cell Culture Tested	TC211-5G	5gm	
Activity : ≥125 units per mg of dry weight			
MW : 68 - 130 kDa CAS : 9001-12-1			
Store at 2 - 8° C			
<b>Collagenase Type II</b>	TC212-100MG	100mg	
(Clostridiopeptidase A)	TC212-500MG	500mg	
Source : <i>Clostridium histolyticum</i>	TC212-1G	1gm	
Suggested for bone, heart, liver, thyroid and salivary primary cell isolation	TC212-5G	5gm	
Cell Culture Tested			
Activity : ≥125 units per mg of dry weight			
CAS : 9001-12-1			
Store at 2 - 8° C			

Product	Code	Packing	Price in ₹
<b>Collagenase Type IV</b>	TC214-100MG	100mg	
Source : <i>Clostridium histolyticum</i>	TC214-500MG	500mg	
Prepared to contain lower tryptic activity levels to limit damage to membrane proteins and receptors but with normal to above normal collagenase activity. Suggested for pancreatic islet primary isolation	TC214-1G	1gm	
Cell Culture Tested	TC214-5G	5gm	
Activity : ≥160 units/mg (dry weight basis)			
CAS : 9001-12-1			
Store at 2 - 8° C			
<b>Collagenase Animal origin free</b>	TC280-100MG	100mg	
Cell Culture Tested	TC280-500MG	500mg	
CAS : 9001-12-1	TC280-1G	1gm	
Activity : ≥150 U/mg dry weight			
Store at 2 - 8° C			
<b>Collagenase Purified</b>	TC253-10KU	10000 Units	
50 Caseinase units/mg Chromatographically purified collagenase which is specially purified to reduce caseinase activity and provide high specific activity. It is typically used for pancreatic and parotid acini isolations and collagen structural analysis			
Cell Culture Tested			
CAS : 9001-12-1			
Activity : ≥500 U/mg dry basis			
Store at 2 - 8° C			
<b>Dispase®</b>	TC303-100MG	100mg	
Cell Culture Tested			
Activity : ≥0.5 Units/mg dry weight			
CAS : 42613-33-2			
Store at 2 - 8° C			
<b>Elastase</b>	TC311-10MG	10mg	
Suitable for the isolation of Type II lung cells	TC311-25MG	25mg	
Cell Culture Tested	TC311-100MG	100mg	
Activity : ≥3 Units/mg Protein			
MW : 282.46 CAS : 39445-21-1			
Store at 2 - 8° C			
<b>Hyaluronidase</b>	TC331-25MG	25mg	
Cell Culture Tested			
Activity : 400 - 1000 units/mg solid			
CAS : 37326-33-3			
Store below -20° C			
<b>Protease</b>	TC401-100MG	100mg	
Source : <i>Streptomyces griseus</i>	TC401-1G	1gm	
Cell Culture Tested			
CAS : 9036-06-0			
Activity : ≥3.5 Units/mg			
Store at 2 - 8° C			
<b>Trypsin</b>	TC598-25G	25gm	
Source : Bovine Pancreas	TC598-250G	250gm	
Cell Culture Tested	TC598-500G	500gm	
CAS : 9002-07-7			
Activity : ≥2000 units/g			
Store at 2 - 8° C			

Product	Code	Packing	\$Price in ₹
<b>Trypsin 1:250 powder porcine</b> Source : Porcine Pancreas Cell Culture Tested CAS : 9002-07-7 Activity : 1000-1500 BAEE units/mg Store at 2 - 8°C	TC245-25G	25gm	
	TC245-250G	250gm	
	TC245-500G	500gm	
<b>Trypsin 1:250 powder porcine, Gamma irradiated</b> Source : Porcine Pancreas Cell Culture Tested CAS : 9002-07-7 Activity : 1000-1500 BAEE units/mg Store at 2 - 8°C	TC245G-100G	100gm	
<b>Trypsin Recombinant, Porcine</b> Source : <i>E.coli</i> Cell Culture Tested CAS : 9002-07-7 Store at 2 - 8°C	TC485-25MG	25mg	
	TC485-100MG	100mg	
	TC485-1G	1gm	
<b>Trypsin inhibitor, powder</b> Source : Soyabean Cell Culture Tested Activity : ≥ 7000 BAEE units of inhibition/mg CAS : 9035-81-8 Store at 2 - 8°C	TC251-25MG	25mg	
	TC251-100MG	100mg	
	TC251-500MG	500mg	
	TC251-1G	1gm	
<b>Trypsin inhibitor from Lima bean</b> Cell Culture Tested Source : Lima bean CAS : 9035-81-8 Store at 2 - 8°C	TC318-50MG	50mg	
	TC318-100MG	100mg	

## Cell Proliferation and Cytotoxicity Indicators

<b>Alamar Blue®</b> Resazurin Sodium salt Cell Culture Tested $C_{12}H_{16}N_4NaO_4$ MW : 251.17 CAS : 62758-13-8 Store at 2 - 8°C	TC235-1G	1gm	
	TC235-5G	5gm	
<b>5-Bromo-4-chloro 3-indolyl phosphate, disodium salt</b> BCIP®, X-phosphate disodium salt Cell Culture Tested $C_8H_7BrClNO_4P \cdot 2Na$ MW : 370.43 CAS : 102185-33-1 Assay : ≥ 98% Store at -20°C	TC476-25MG	25mg	
	TC476-100MG	100mg	
	TC476-1G	1gm	
<b>MTT</b> (Thiazolyl blue tetrazolium bromide) Cell Culture Tested $C_{16}H_{16}BrN_5S$ MW : 414.32 CAS : 298-93-1 Assay : ≥ 98% Store at 2 - 8°C	TC191-500MG	500mg	
	TC191-1G	1gm	



Product	Code	Packing	Price in ₹
<b>Cryoprotectants</b>			
<b>CryoXL™ DMSO</b> Sterile Filtered Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications C <sub>2</sub> H <sub>6</sub> OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC450M-100ML	100ml	
<b>Dimethyl sulphoxide (DMSO), Sterile</b> Sterile filtered Cell Culture Tested C <sub>2</sub> H <sub>6</sub> OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC349-100ML	100ml	
<b>Dimethyl sulphoxide (DMSO)</b> Cell Culture Tested C <sub>2</sub> H <sub>6</sub> OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC185-100ML TC185-250ML	100ml 250ml	
<b>HybridoXL™ DMSO</b> Cell Culture Tested <b>Hybridoma Tested</b> C <sub>2</sub> H <sub>6</sub> OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC429-100ML	100ml	
<b>HybridoXL™ DMSO, Sterile</b> Sterile Filtered Cell Culture Tested <b>Hybridoma Tested</b> C <sub>2</sub> H <sub>6</sub> OS MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store below 30°C	TC433-100ML	100ml	
<b>Glycerol</b> 1,2,3-Propanetriol Cell Culture Tested C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> MW : 92.09 CAS : 56-81-5 Assay : ≥98% Store below 30°C	TC503-500ML TC503-1L	500ml 1lt	

Product	Code	Packing	Price in ₹
<b>Cyclodextrins</b>			
<b>α - Cyclodextrin</b> Cell Culture Tested C <sub>36</sub> H <sub>60</sub> O <sub>30</sub> MW : 972.84 CAS : 10016-20-3 Assay : ≥98% Store below 30°C	TC103-1G TC103-5G	1gm 5gm	
<b>β - Cyclodextrin</b> Cell Culture Tested C <sub>42</sub> H <sub>70</sub> O <sub>35</sub> MW : 1134.98 CAS : 7585-39-9 Assay : ≥95% Store below 30°C	TC104-5G TC104-25G TC104-100G	5gm 25gm 100gm	
<b>Hydroxypropyl-β-cyclodextrin</b> 2-Hydroxypropylether-β-cyclodextrin Cell Culture Tested C <sub>42</sub> H <sub>102</sub> O <sub>39</sub> MW : 1375.36 CAS : 94035-02-6 Assay : ≥98.5% Store at 15-30 °C.	TC446-5G TC446-5X5G	5gm 5x5gm	
<b>β-Methyl cyclodextrin</b> Cell Culture Tested CAS : 128446-36-6 Store at 2 - 8°C	TC227-1G TC227-5G TC227-10G	1gm 5gm 10gm	
<b>Detergents</b>			
<b>Dextran Sulphate, sodium salt</b> Cell Culture Tested C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> MW : 5,00,000 CAS : 9011-18-1 Assay : ≥98% Store at 2 - 8°C	TC589-10G TC589-50G	10gm 50gm	
<b>Dextran sulphate, sodium salt</b> <span style="color: red;">New</span> Mol wt: 40,000 Cell Culture Tested C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> MW : 40000 CAS : 9011-18-1 Assay : ≥98% Store at 2 - 8°C	TC755-5G TC755-25G TC755-100G	5gm 25gm 100gm	
<b>Dodecyl sulphate sodium salt</b> (Lauryl sulphate sodium salt) Cell Culture Tested C <sub>12</sub> H <sub>25</sub> NaO <sub>2</sub> S MW : 288.38 CAS : 151-21-3 Assay : ≥99% Store below 30°C	TC698-25G TC698-100G TC698-250G TC698-500G TC698-1KG	25gm 100gm 250gm 500gm 1kg	
<b>Nonidet® P-40</b> 4-Nonylphenyl-polyethylene glycol, NP-40 Cell Culture Tested CAS : 9016-45-9 Store below 30°C	TC708-100ML TC708-500ML	100ml 500ml	
<b>Pluronic® F-68</b> Cell Culture Tested (C <sub>3</sub> H <sub>6</sub> O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> O) <sub>x</sub> Store below 30°C	TC222-100G TC222-1KG	100gm 1kg	

Product	Code	Packing	\$Price in ₹
<b>SDS</b> (See: Dodecyl sulphate sodium salt) Cell Culture Tested $C_{12}H_{25}NaO_2S$ MW : 288.38 CAS : 151-21-3 Store below 30°C	TC698-25G	25gm	
	TC698-100G	100gm	
	TC698-250G	250gm	
	TC698-500G	500gm	
	TC698-1KG	1kg	
<b>Triton® X-100</b> Cell Culture Tested $C_{34}H_{62}O_{11}$ MW : 646.87 CAS : 9002-93-1 Store below 30°C	TC286-100ML	100ml	
	TC286-500ML	500ml	
<b>Tween®-20</b> Cell Culture Tested CAS : 9005-64-5 Store below 30°C	TC287-100ML	100ml	
	TC287-5X100ML	5X100ml	

## Differentiation reagents

<b>5-Azacytidine</b> 4-Amino-1-( $\beta$ -D-ribofuranosyl)-1,3,5-triazin-2(1H)-one, Lada kamycin Cell Culture Tested $C_8H_{12}N_4O_5$ MW : 244.2 CAS : 320-67-2 Assay : $\geq$ 98% Store at -20°C	TC466-100MG	100mg	
	TC466-250MG	250mg	
	TC466-1G	1gm	
<b>Forskolin</b> 7 $\beta$ -Acetoxy-8,13-epoxy-1 $\alpha$ ,6 $\beta$ ,9 $\alpha$ -trihydroxy-14-en-11-one, Coleonol, Colforsin Cell Culture Tested $C_{22}H_{34}O_7$ MW : 410.5 CAS : 66575-29-9 Assay : $\geq$ 99.5% Store below 30°C	TC472-10MG	10mg	
	TC472-25MG	25mg	
<b><math>\beta</math>-Glycerophosphate disodium salt pentahydrate</b> $\beta$ -GP, Disodium $\beta$ -glycerol phosphate pentahydrate Cell Culture Tested $C_3H_7Na_2O_5P \cdot 5H_2O$ MW : 306.11 CAS : 13408-09-8 Assay : $\geq$ 96% Store at 2 - 8°C	TC463-10G	10gm	
	TC463-50G	50gm	
	TC463-100G	100gm	
<b>Indomethacin</b> 1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-3-indoleacetic acid Cell Culture Tested $C_{19}H_{16}ClNO_4$ MW : 357.79 CAS : 53-86-1 Assay : $\geq$ 99% Store at 2 - 8°C	TC465-5G	5gm	
	TC465-10G	10gm	
	TC465-25G	25gm	
	TC465-100G	100gm	
<b>3-Isobutyl-1-methylxanthine</b> 1-Methyl-3-isobutylxanthine IBMX Cell Culture Tested $C_{10}H_{14}N_4O_2$ MW : 222.24 CAS : 28822-58-4 Assay : $\geq$ 99% Store at -20°C	TC464-100MG	100mg	
	TC464-250MG	250mg	
	TC464-1G	1gm	

Product	Code	Packing	\$Price in ₹
<b>Enzymes</b>			
<b>Acid Phosphatase</b> Cell Culture Tested CAS : 9001-77-8 Store at -20°C	TC678-50U	50units	
	TC678-200U	200units	
<b>Aldehyde dehydrogenase</b> Cell Culture Tested Activity : $\geq$ 1U/mg Store at 2 - 8°C	TC679-10MG	10mg	
<b>Alkaline phosphatase</b> From Bovine Intestine Cell Culture Tested MW : ~160 kDa CAS : 9001-78-9 Activity : 2000-4000 DAE unit/mg Store at 2 - 8°C	TC488-1000U	1000units	
<b>Bromelain</b> Source : Pineapple stem Cell Culture Tested MW : ~33 kDa CAS : 9001-00-7 Store at -20°C	TC680-25G	25gm	
	TC680-100G	100gm	
<b>Diaphorase</b> Source : <i>Cl. kluuyveri</i> Cell Culture Tested CAS : 9001-18-7 Activity : $\geq$ 30 U/mg Store at 2 - 8°C	TC462-1KU	1000 ku	
<b>Deoxyribonuclease I DNase I</b> Cell Culture Tested Av MW : ~84.5kDa CAS : 9003-98-9 Activity : $\geq$ 400 U/mg Store at 2 - 8°C	TC696-10KU	10ku	
	TC696-20KU	20ku	
	TC696-40KU	40ku	
<b><math>\beta</math>-Glucosidase</b> Source : Sweet almond Cell Culture Tested CAS : 9001-22-3 Store at 2 - 8°C	TC681-2500U	2500units	
	TC681-5000U	5000units	
<b>Glucose oxidase</b> Cell Culture Tested CAS : 9001-37-0 Activity : $\geq$ 100 U/mg Store at -20°C	TC486-25MG	25mg	
	TC486-50MG	50mg	
	TC486-100MG	100mg	
<b>Glucose-6-Phosphate dehydrogenase</b> Cell Culture Tested CAS : 9001-40-5 Activity : $\geq$ 400U/mg Store at 2 - 8°C	TC682-500U	500units	
<b>Glutamate dehydrogenase</b> From <i>E.coli</i> Cell Culture Tested CAS : 9029-12-3 Activity : $\geq$ 80 U/mg Store at 2 - 8°C	TC490-25MG	25mg	
	TC490-50MG	50mg	
	TC490-100MG	100mg	



## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>Glutaminase</b> L-Glutamine amidohydrolase Cell Culture Tested CAS : 9001-47-2 Activity : ≥ 100 GTU/g Store at 2 - 8°C	<b>TC489-25MG</b> <b>TC489-50MG</b> <b>TC489-100MG</b>	<b>25mg</b> <b>50mg</b> <b>100mg</b>	
<b>Glutathione peroxidase</b> Cell Culture Tested MW : 84.5kDa Store at -20°C CAS : 9013-66-5	<b>TC695-100U</b> <b>TC695-200U</b> <b>TC695-500U</b>	<b>100units</b> <b>200units</b> <b>500units</b>	
<b>Glutathione-S-Transferase</b> Cell Culture Tested CAS : 50812-37-8 Activity : ≥ 25 U/mg Store at 2 - 8°C	<b>TC492-1MG</b>	<b>1mg</b>	
<b>Hexokinase</b> Cell Culture Tested CAS : 9001-51-8 Store below 2 - 8°C	<b>TC683-1000U</b> <b>TC683-5000U</b>	<b>1000units</b> <b>5000units</b>	
<b>Horseradish peroxidase</b> Cell Culture Tested CAS : 9003-99-0 Activity : ≥ 250 U/mg Store below 2 - 8°C	<b>TC487-25MG</b> <b>TC487-50MG</b>	<b>25mg</b> <b>50mg</b>	
<b>D-Lactate dehydrogenase</b> Cell Culture Tested CAS : 9028-36-8 Activity : ≥ 400 U/mg Store below 2 - 8°C	<b>TC491-5KU</b> <b>TC491-10KU</b>	<b>5ku</b> <b>10ku</b>	
<b>Luciferase</b> Source : <i>Vibrio fischeri</i> Cell Culture Tested CAS : 9014-00-0 Store at -20°C	<b>TC493-25MG</b>	<b>25mg</b>	
<b>Luciferase from firefly</b> Source : <i>Photinus pyralis</i> (firefly) Cell Culture Tested CAS : 61970-00-1 Store at -20°C	<b>TC597-25MG</b>	<b>25mg</b>	
<b>Lysozyme</b> Source : Chicken egg white Cell Culture Tested MW : 14.4 kDa Activity : ≥ 30000 U/mg Store below 2 - 8°C CAS : 12650-88-3	<b>TC684-1G</b> <b>TC684-5G</b> <b>TC684-25G</b>	<b>1gm</b> <b>5gm</b> <b>25gm</b>	
<b>Neuraminidase</b> Cell Culture Tested CAS : 9001-67-6 Store below 2 - 8°C	<b>TC694-1U</b> <b>TC694-5U</b> <b>TC694-10U</b>	<b>1units</b> <b>5units</b> <b>10units</b>	

Product	Code	Packing	Price in ₹
<b>Papain</b> Source : <i>Carica papaya</i> Cell Culture Tested CAS : 9001-73-4 Activity : ≥ 30000 USP units/mg Store at 2 - 8°C	<b>TC685-25G</b> <b>TC685-100G</b>	<b>25gm</b> <b>100gm</b>	
<b>Pepsin (Bovine)</b> Cell Culture Tested CAS : 9001-75-6 Activity : ≥ 10000 NF U/mg Store at 2 - 8°C	<b>TC686-5G</b>	<b>5gm</b>	
<b>Proteinase K</b> Cell Culture Tested MW: 28.9 kDa Store at 2 - 8°C CAS : 39450-01-6	<b>TC687-10MG</b> <b>TC687-100MG</b>	<b>10mg</b> <b>100mg</b>	
<b>ProTEVase™</b> Recombinant TEV Protease Cell Culture Tested Assay : ≥95% Store at -20°C	<b>TC445-1000U</b> <b>TC445-5000U</b> <b>TC445-10000U</b>	<b>1000units</b> <b>5000units</b> <b>10000units</b>	
<b>Pyruvate kinase</b> Cell Culture Tested MW : 237 kDa Activity : 100-300 units /mg Store at 2 - 8°C CAS : 9001-59-6	<b>TC692-1000U</b>	<b>1000units</b>	
<b>RNase A (DNase free)</b> Source : Bovine Pancreas Cell Culture Tested MW : ~13.7 kDa Activity : ≥50 units /mg protein (KUnitz) Store at -20°C CAS : 9001-99-4	<b>TC688-100MG</b> <b>TC688-500MG</b> <b>TC688-1G</b>	<b>100mg</b> <b>500mg</b> <b>1gm</b>	
<b>Renin</b> Cell Culture Tested CAS : 9001-98-3 Rennet strength : ≥ 800 MCU/g Store at 2 - 8°C	<b>TC689-1G</b> <b>TC689-5G</b>	<b>1gm</b> <b>5gm</b>	
<b>Superoxide dismutase (SOD)</b> Cell Culture Tested MW : 32.5 kDa Activity : ≥3000 U/mg Store at -20°C CAS : 9054-89-1	<b>TC693-15KU</b>	<b>15ku</b>	
<b>TUNEL enzyme (Terminal deoxynucleotidyl transferase)</b> Cell Culture Tested MW : 60 kDa Activity : ≥ 5000Units/mg Store at -20°C CAS : 9027-67-2	<b>TC697-1000U</b>	<b>1000units</b>	
<b>Urease</b> Cell Culture Tested Av MW : 90.77kDa Store at -20°C CAS : 9002-13-5	<b>TC691-25GM</b>	<b>25gm</b>	
<b>Xanthine oxidase</b> Cell Culture Tested CAS : 9002-17-9 Activity : ~ 15U/mg Store at 2 - 8°C	<b>TC690-5U</b> <b>TC690-250U</b>	<b>5units</b> <b>250units</b>	

Product	Code	Packing	\$Price in ₹
<b>Fatty acids</b>			
<b>Arachidonic acid</b> Cell Culture Tested $C_{20}H_{32}O_2$ MW : 304.47 CAS : 506-32-1 Assay : $\geq 90\%$ Store at 2 - 8°C	<b>TC389-10MG</b> <b>TC389-50MG</b>	<b>10mg</b> <b>50mg</b>	
<b>Linoleic acid methyl ester</b> Cell Culture Tested $C_{19}H_{34}O_2$ MW : 294.47 CAS : 112-63-0 Assay : $\geq 99\%$ Store at 2 - 8°C	<b>TC383-1G</b> <b>TC383-5G</b> <b>TC383-10G</b>	<b>1gm</b> <b>5gm</b> <b>10gm</b>	
<b>Linoleic acid, Free acid</b> Cell Culture Tested $C_{18}H_{32}O_2$ MW : 280.45 CAS : 60-33-3 Assay : $\geq 99\%$ Store at 2 - 8°C	<b>TC381-100MG</b> <b>TC381-1G</b> <b>TC381-5G</b>	<b>100mg</b> <b>1gm</b> <b>5gm</b>	
<b><math>\alpha</math>-Lipoic Acid</b> ( $\pm$ )- $\alpha$ -Lipoic acid, ( $\pm$ )-1,2-Dithiolane-3-pentanoic acid, 6,8-Dithiooctanoic acid, DL- $\alpha$ -Lipoic acid, DL-6,8-Thioctic acid, Lip(S2) Cell Culture Tested $C_8H_{14}O_2S_2$ MW : 206.33 CAS : 1077-28-7 Assay : $\geq 98\%$ Store at 2 - 8°C	<b>TC449-1G</b> <b>TC449-5G</b> <b>TC449-25G</b>	<b>1gm</b> <b>5gm</b> <b>25gm</b>	
<b>Oleic acid</b> Cell Culture Tested $C_{18}H_{34}O_2$ MW : 282.46 CAS : 112-80-1 Assay : $\geq 97\%$ Store at 2 - 8°C	<b>TC382-1ML</b> <b>TC382-5ML</b> <b>TC382-25ML</b>	<b>1ml</b> <b>5ml</b> <b>25ml</b>	
<b>Palmitic acid</b> Cell Culture Tested $C_{16}H_{32}O_2$ MW : 256.42 CAS : 57-10-3 Assay : $\geq 98\%$ Store below 30°C	<b>TC386-10G</b> <b>TC386-25G</b> <b>TC386-100G</b>	<b>10gm</b> <b>25gm</b> <b>100gm</b>	
<b>Palmitic acid methyl ester</b> Cell Culture Tested $C_{17}H_{34}O_2$ MW : 270.45 CAS : 112-39-0 Assay : $\geq 95\%$ Store below 30°C	<b>TC387-1G</b> <b>TC387-5G</b> <b>TC387-25G</b>	<b>1gm</b> <b>5gm</b> <b>25gm</b>	
<b>Palmitoleic acid</b> Cell Culture Tested $C_{16}H_{30}O_2$ MW : 254.41 CAS : 373-49-9 Assay : $\geq 99\%$ Store at 2 - 8°C	<b>TC388-100MG</b> <b>TC388-1G</b>	<b>100mg</b> <b>1gm</b>	
<b>Stearic acid</b> Cell Culture Tested $C_{18}H_{36}O_2$ MW : 284.48 CAS : 57-11-4 Assay : $\geq 99\%$ Store below 30°C	<b>TC384-1G</b> <b>TC384-5G</b> <b>TC384-10G</b> <b>TC384-25G</b>	<b>1gm</b> <b>5gm</b> <b>10gm</b> <b>25gm</b>	

Product	Code	Packing	\$Price in ₹
<b>Hormones and Hormone Alternative</b>			
<b>Dexamethasone</b> Cell Culture Tested $C_{22}H_{26}FO_5$ MW : 392.46 CAS : 50-02-2 Assay : $\geq 97\%$ Store at 2 - 8°C	<b>TC277-25MG</b> <b>TC277-100MG</b> <b>TC277-500MG</b> <b>TC277-1G</b>	<b>25mg</b> <b>100mg</b> <b>500mg</b> <b>1gm</b>	
<b>Dopamine hydrochloride</b> Cell Culture Tested $C_8H_{11}NO_2 \cdot HCl$ MW : 189.64 CAS : 62-31-7 Assay : $\geq 98\%$ Store at 2 - 8°C	<b>TC281-1G</b> <b>TC281-5G</b> <b>TC281-25G</b>	<b>1gm</b> <b>5gm</b> <b>25gm</b>	
<b>1-Eicosanol</b> Cell Culture Tested $C_{20}H_{40}O$ MW : 298.55 CAS : 629-96-9 Assay : $\geq 98\%$ Store below 30°C	<b>TC283-5G</b> <b>TC283-25G</b>	<b>5gm</b> <b>25gm</b>	
<b>Epiandrosterone</b> Cell Culture Tested $C_{19}H_{30}O_2$ MW : 290.44 CAS : 481-29-8 Assay : $\geq 97\%$ Store below 30°C	<b>TC284-1G</b> <b>TC284-5G</b>	<b>1gm</b> <b>5gm</b>	
<b><math>\beta</math>-Estradiol</b> Cell Culture Tested $C_{18}H_{26}O_2$ MW : 272.38 CAS : 50-28-2 Assay : $\geq 97\%$ Store below 30°C	<b>TC346-1G</b>	<b>1gm</b>	
<b>Human Recombinant Prolactin</b> Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	<b>TC302-10MCG</b> <b>TC302-50MCG</b>	<b>10mcg</b> <b>50mcg</b>	
<b>Hydrocortisone</b> Cell Culture Tested $C_{21}H_{30}O_5$ MW : 362.46 CAS : 50-23-7 Assay : $\leq 98\%$ Store below 30°C	<b>TC344-1G</b> <b>TC344-5G</b> <b>TC344-10G</b>	<b>1gm</b> <b>5gm</b> <b>10gm</b>	
<b>Murine Recombinant Prolactin</b> Source : <i>E. coli</i> Cell Culture Tested Store at -20°C	<b>TC329-10MCG</b> <b>TC329-50MCG</b>	<b>10mcg</b> <b>50mcg</b>	
<b>Progesterone</b> Cell Culture Tested $C_{21}H_{30}O_2$ MW : 314.46 CAS : 57-83-0 Assay : $\geq 97\%$ Store below 30°C	<b>TC379-1G</b> <b>TC379-5G</b> <b>TC379-25G</b>	<b>1gm</b> <b>5gm</b> <b>25gm</b>	

Product	Code	Packing	Price in ₹
<b>Lipids</b>			
<b>Cholesterol</b> (5-cholesten-3β-ol) Cell Culture Tested C <sub>27</sub> H <sub>46</sub> O MW : 386.65 CAS : 57-88-5 Assay : ≥98% Store at 2 - 8°C	TC101-5G TC101-25G TC101-100G	5gm 25gm 100gm	
<b>Sphingomyelin</b> Cell Culture Tested Source : Bovine brain CAS : 85187-10-6 Assay : ≥98% Store at -20°C	TC279-100MG TC279-500MG	100mg 500mg	
<b>Nucleotides and Nucleosides</b>			
<b>Adenine</b> Cell Culture Tested C <sub>5</sub> H <sub>4</sub> N <sub>2</sub> MW : 135.13 CAS : 73-24-5 Assay : ≥99% Store below 30°C	TC082-5G TC082-25G TC082-100G	5gm 25gm 100gm	
<b>Adenine sulfate</b> Cell Culture Tested C <sub>5</sub> H <sub>5</sub> N <sub>3</sub> ·1/2H <sub>2</sub> SO <sub>4</sub> MW : 184.17 CAS : 321-30-2 Assay : ≥99% Store below 30°C	TC071-5G TC071-25G TC071-100G TC071-500G	5gm 25gm 100gm 500gm	
<b>Adenosine</b> Cell Culture Tested C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> MW : 267.24 CAS : 58-61-7 Assay : ≥99% Store at 2 - 8°C	TC083-5G TC083-25G	5gm 25gm	
<b>Adenosine 5'-monophosphate disodium salt</b> Cell Culture Tested C <sub>10</sub> H <sub>12</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>7</sub> P MW : 391.18 CAS : 4578-31-8 Assay : ≥95% Store at 2 - 8°C	TC312-1G TC312-5G TC312-25G	1gm 5gm 25gm	
<b>Adenosine 5'-monophosphate sodium salt</b> Cell Culture Tested C <sub>10</sub> H <sub>14</sub> N <sub>5</sub> O <sub>7</sub> PxNa <sup>+</sup> ·yH <sub>2</sub> O MW : 347.22 CAS : 149022-20-8 (Anhydrous free acid basis) Assay : ≥99% Store at 2 - 8°C	TC084-1G TC084-5G	1gm 5gm	
<b>Adenosine 5'-triphosphate disodium salt</b> Cell Culture Tested C <sub>10</sub> H <sub>14</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>13</sub> P <sub>3</sub> MW : 551.14 CAS : 987-65-5 Assay : ≥95% Store at 2 - 8°C	TC085-1G TC085-5G TC085-25G	1gm 5gm 25gm	

Product	Code	Packing	Price in ₹
<b>5-Bromo-2'-deoxyuridine (BrdU)</b> 5-BrdU Cell Culture Tested C <sub>9</sub> H <sub>9</sub> BrN <sub>2</sub> O <sub>5</sub> MW : 307.10 CAS : 59-14-3 Assay : ≥96.5% Store at 2 - 8°C	TC372-100MG TC372-250MG TC372-500MG	100mg 250mg 500mg	
<b>Cytidine</b> Cell Culture Tested C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>3</sub> MW : 243.22 CAS : 65-46-3 Assay : ≥99% Store below 30°C	TC110-1G TC110-5G TC110-50G	1gm 5gm 50gm	
<b>2'-Deoxyadenosine monohydrate</b> Cell Culture Tested C <sub>11</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O MW : 269.26 CAS : 16373-93-6 Assay : ≥99% Store at 2 - 8°C	TC111-1G TC111-5G	1gm 5gm	
<b>2'-Deoxycytidine hydrochloride</b> Cell Culture Tested C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>3</sub> ·HCl MW : 263.68 CAS : 3992-42-5 Assay : ≥99% Store below 30°C	TC112-250MG TC112-1G TC112-10G	250mg 1gm 10gm	
<b>2-Deoxy-D-ribose</b> Cell Culture Tested C <sub>5</sub> H <sub>10</sub> O <sub>4</sub> MW : 134.13 CAS : 533-67-5 Assay : ≥99% Store at 2 - 8°C	TC114-1G TC114-5G	1gm 5gm	
<b>N6-2'-O-Dibutryl adenosine-3',5' cyclic monophosphate sodium salt</b> Bucladesine sodium salt, Dibutryl cAMP sodium salt, Dibutryl cyclic-AMP sodium salt Cell Culture Tested C <sub>18</sub> H <sub>23</sub> N <sub>5</sub> O <sub>8</sub> PNa MW : 491.37 CAS : 16980-89-5 Assay : ≥95% Store at -20°C	TC467-25MG TC467-100MG TC467-250MG TC467-1G	25mg 100mg 250mg 1gm	
<b>β-Nicotinamide adenine dinucleotide, From Yeast</b> Cell Culture Tested C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> O <sub>14</sub> P MW : 663.43 CAS : 53-84-9 Assay : ≥95% Store at 2 - 8°C	TC156-100MG TC156-1G TC156-5G TC156-10G	100mg 1gm 5gm 10gm	
<b>Thymidine</b> Cell Culture Tested C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub> MW : 242.23 CAS : 50-89-5 Assay : ≥99% Store below 30°C	TC174-1G TC174-5G TC174-10G TC174-25G	1gm 5gm 10gm 25gm	
<b>Thymine</b> Cell Culture Tested C <sub>8</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> MW : 126.11 CAS : 65-71-4 Assay : ≥98% Store below 30°C	TC175-5G TC175-25G	5gm 25gm	

Product	Code	Packing	\$Price in ₹
<b>Uracil</b> Cell Culture Tested $C_4H_4N_2O_2$ MW : 112.09 CAS : 66-22-8 Assay : $\geq 99\%$ Store below 30°C	TC178-25G	25gm	
	TC178-100G	100gm	
	TC178-500G	500gm	
<b>Uridine</b> Cell Culture Tested $C_9H_{12}N_2O_6$ MW : 244.2 CAS : 58-96-8 Assay : $\geq 99\%$ Store at 2 - 8°C	TC181-5G	5gm	
	TC181-25G	25gm	
	TC181-50G	50gm	
<b>Chemicals Meeting Pharmacopoeial Testing Specifications</b>			
<b>Acetic acid, Glacial</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $CH_3COOH$ MW : 60.05 CAS : 64-19-7 Store below 30°C	TC574M-1000ML	1000ml	
<b>N-Acetyl-L-Cysteine</b> Acetylcysteine (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_9NO_3S$ MW : 163.191 CAS : 616-91-1 Store at 2-8°C	TC054M-5G	5gm	
	TC054M-25G	25gm	
	TC054M-100G	100gm	
<b>L-Alanine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_3H_7NO_2$ MW : 89.09 CAS : 56-41-7 Store below 30°C	TC056M-25G	25gm	
	TC056M-100G	100gm	
	TC056M-500G	500gm	
	TC056M-1KG	1kg	
<b>Ammonium chloride</b> Meets USP 41-NF 36, EP 9.0 and BP 2016 and IP 2018 testing specifications $ClH_4N$ MW : 53.49 CAS : 12125-02-9 Store below 30°C	TC092M-100G	100gm	
	TC092M-500G	500gm	
<b>L-Arginine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_{13}N_3O_2$ MW : 174.2 CAS : 74-79-3 Store below 30°C	TC052M-25G	25gm	
	TC052M-100G	100gm	
	TC052M-500G	500gm	
	TC052M-1KG	1kg	
<b>L-Arginine monohydrochloride</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_{14}N_4O_2 \cdot HCl$ MW : 210.66 CAS : 1119-34-2 Store below 30°C	TC053M-25G	25gm	
	TC053M-100G	100gm	
	TC053M-500G	500gm	
	TC053M-1KG	1kg	

Product	Code	Packing	\$Price in ₹
<b>L-Asparagine monohydrate</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_4H_8N_2O_5 \cdot H_2O$ MW : 150.13 CAS : 5794-13-8 Store below 30°C	TC057M-25G	25gm	
	TC057M-100G	100gm	
	TC057M-500G	500gm	
	TC057M-1KG	1kg	
<b>L-Aspartic acid</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_4H_7NO_4$ MW : 133.11 CAS : 56-84-8 Store below 30°C	TC059M-25G	25gm	
	TC059M-100G	100gm	
	TC059M-500G	500gm	
<b>D-Biotin</b> <span style="color: red;">New</span> Meets USP 41-NF 36, EP 9.0, BP 2016 and JP 17 testing specifications $C_{10}H_{16}N_2O_3S$ MW : 244.31 CAS : 58-85-5 Store at 2-8°C	TC096M-5G	5gm	
	TC096M-25G	25gm	
<b>Boric acid</b> Hydrogen borate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $H_3BO_3$ MW : 61.83 CAS : 10043-35-3 Store below 30°C	TC580M-500G	500gm	
	TC580M-1KG	1kg	
<b>Calcium chloride dihydrate</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $CaCl_2 \cdot 2H_2O$ MW : 147.01 CAS : 10035-04-8 Store below 30°C	TC001M-500G	500gm	
	TC001M-1KG	1kg	
<b>Calcium sulfate</b> <span style="color: red;">New</span> Meets USP 41-NF 36 testing specifications $CaSO_4$ MW : 136.14 CAS : 7778-18-9 Store below 30°C	TC502U-1KG	1kg	
<b>Citric acid anhydrous</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_8O_7$ MW : 192.12 CAS : 77-92-9 Store below 30°C	TC105M-100G	100gm	
	TC105M-500G	500gm	
<b>Citric acid monohydrate</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_8O_7 \cdot H_2O$ MW : 210.14 CAS : 5949-29-1 Store below 30°C	TC454M-500G	500gm	
	TC454M-1KG	1kg	
<b>CryoXL™ DMSO</b> (See: Dimethyl sulfoxide) Sterile Filtered Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_2H_6OS$ MW : 78.13 CAS : 67-68-5 Assay : $\geq 99.5\%$ Store at 2 - 8°C	TC450M-100ML	100ml	

ACG

Product	Code	Packing	Price in ₹
<b>Cupric chloride dihydrate</b> Copper dichloride; Copper(II) chloride Meets USP 41-NF 36 testing specifications $CuCl_2 \cdot 2H_2O$ MW : 170.48 CAS : 10125-13-0 Store below 30°C	TC108U-100G	100gm	
	TC108U-500G	500gm	
<b>Cupric sulphate anhydrous</b> Copper(II) sulfate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $CuSO_4$ MW : 159.61 CAS : 7758-98-7 Store below 30°C	TC609M-100G	100gm	
	TC609M-1KG	1kg	
<b>Cupric sulphate pentahydrate</b> Copper (II) sulphate pentahydrate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $CuSO_4 \cdot 5H_2O$ MW : 249.69 CAS : 7758-99-8 Store below 30°C	TC003M-500G	500gm	
	TC003M-1KG	1kg	
<b>Cyanocobalamin</b> (See: Vitamin B12) Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{63}H_{88}CoN_{14}O_{14}P$ MW : 1355.37 CAS : 68-19-9 Store at 2-8°C	TC183M-100MG	100mg	
	TC183M-250MG	250mg	
	TC183M-1G	1gm	
	TC183M-5G	5gm	
<b>L-Cysteine hydrochloride monohydrate</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $HSCH_2CH(NH_2)COOH \cdot HCl \cdot H_2O$ MW : 175.63 CAS : 7048-04-6 Store below 30°C	TC058M-25G	25gm	
	TC058M-100G	100gm	
	TC058M-500G	500gm	
	TC058M-1KG	1kg	
<b>L-Cystine</b> (From non animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $HSCH_2CH(NH_2)CO_2H$ MW : 240.3 CAS : 56-89-3 Store below 30°C	TC070M-25G	25gm	
	TC070M-100G	100gm	
	TC070M-500G	500gm	
	TC070M-1KG	1kg	
<b>Dimethyl sulfoxide</b> (See: CryoXL™ DMSO) Sterile Filtered Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_2H_6OS$ MW : 78.13 CAS : 67-68-5 Assay : ≥99.5% Store at 2 - 8°C	TC450M-100ML	100ml	
<b>Edetic acid</b> (See: EDTA free acid, anhydrous) Diaminoethane-tetraacetic acid, Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_{10}H_{16}N_2O_8$ MW : 292.24 CAS : 60-00-4 Store below 30°C	TC115M-100G	100gm	
	TC115M-500G	500gm	

Product	Code	Packing	Price in ₹
<b>EDTA free acid anhydrous</b> (See : Edetic acid) Diaminoethane-tetraacetic acid Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $C_{10}H_{16}N_2O_8$ MW : 292.24 CAS : 60-00-4 Store below 30°C	TC115M-100G	100gm	
	TC115M-500G	500gm	
<b>EDTA disodium salt dihydrate</b> EDTA disodium salt Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$ MW : 372.24 CAS : 6381-92-6 Store below 30°C	TC038M-100G	100gm	
	TC038M-500G	500gm	
<b>Ferric ammonium citrate, Brown</b> (Ammonium iron(III) citrate) Meets USP 41-NF 36 and IP 2018 testing specifications $C_6H_5O_7 \cdot xFe_3 + \cdot yNH_3$ CAS : 1185-57-5 Store below 30°C	TC453M-100G	100gm	
	TC453M-500G	500gm	
<b>Ferric chloride hexahydrate</b> Iron(III) chloride hexahydrate Meets EP 9.0 and BP 2016 testing specifications $FeCl_3 \cdot 6H_2O$ MW : 270.28 CAS : 10025-77-1 Store below 30°C	TC587M-5G	5gm	
	TC587M-25G	25gm	
	TC587M-100G	100gm	
<b>Ferrous sulphate heptahydrate</b> Iron(II) sulfate heptahydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $FeSO_4 \cdot 7H_2O$ MW : 278.01 CAS : 7782-63-0 Store below 30°C	TC119M-500G	500gm	
	TC119M-1KG	1kg	
<b>Folic acid</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{19}H_{19}N_7O_6$ MW : 441.4 CAS : 59-30-3 Store at 2-8°C	TC123M-5G	5gm	
	TC123M-25G	25gm	
<b>D-(+)-Galactose anhydrous</b> Meets EP 9.0 and BP 2016 testing specifications $C_6H_{12}O_6$ MW : 180.16 CAS : 59-23-4 Store below 30°C	TC127M-100G	100gm	
	TC127M-500G	500gm	
	TC127M-1KG	1kg	
<b>α-(D)-Galactose anhydrous</b> Meets USP 41-NF 36 testing specifications $C_6H_{12}O_6$ MW : 180.16 CAS : 3646-73-9 Store below 30°C	TC127U-100G	100gm	
	TC127U-500G	500gm	
	TC127U-1KG	1kg	

Product	Code	Packing	\$Price in ₹
<b>D-(+)-Glucose anhydrous</b> Dextrose Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_{12}O_6$ MW : 180.16 CAS : 50-99-7 Store below 30°C	TC130M-100G	100gm	
	TC130M-1KG	1kg	
<b>L-Glutamic acid</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_5H_9NO_4$ MW : 147.13 CAS : 56-86-0 Store below 30°C	TC074M-25G	25gm	
	TC074M-100G	100gm	
	TC074M-500G	500gm	
	TC074M-1KG	1kg	
<b>L-Glutamine</b> (From non-animal source) Meets USP 41-NF 36 and JP 17 testing specifications $C_5H_{10}N_2O_3$ MW : 146.14 CAS : 56-85-9 Store below 30°C	TC243M-10G	10gm	
	TC243M-25G	25gm	
	TC243M-100G	100gm	
	TC243M-1KG	1kg	
<b>Glycerol</b> Glycerin Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $HOCH_2CH(OH)CH_2OH$ MW : 92.09 CAS : 56-81-5 Store below 30°C	TC503M-500ML	500ml	
	TC503M-1L	1lt	
<b>Glycine</b> 2-Aminoacetic acid Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $NH_2CH_2COOH$ MW : 75.07 CAS : 56-40-6 Store below 30°C	TC075M-100G	100gm	
	TC075M-1KG	1kg	
<b>L-Histidine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_9N_3O_2$ MW : 155.15 CAS : 71-00-1 Store below 30°C	TC076M-100G	100gm	
	TC076M-500G	500gm	
	TC076M-1KG	1kg	
<b>L-Histidine monohydrochloride monohydrate</b> (From non-animal source) Meets EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_{13}N_3O_2 \cdot HCl \cdot H_2O$ MW : 209.63 CAS : 5934-29-2 Store below 30°C	TC077M-25G	25gm	
	TC077M-100G	100gm	
	TC077M-1KG	1kg	
<b>L-Isoleucine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_9H_{17}NO_2$ MW : 131.18 CAS : 73-32-5 Store below 30°C	TC049M-10G	10gm	
	TC049M-25G	25gm	
	TC049M-100G	100gm	
	TC049M-1KG	1kg	

Product	Code	Packing	\$Price in ₹
<b>Kanamycin sulphate</b> Meets USP 41- NF 36 and JP 17 testing specifications $C_{18}H_{28}N_4O_{11} \cdot H_2SO_4$ MW : 582.58 CAS : 25389-94-0 Potency : $\geq 750 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC136M-1G	1gm	
	TC136M-5G	5gm	
	TC136M-25G	25gm	
<b>Kanamycin acid sulphate</b> Meets IP 2018 and BP 2016 testing specifications $C_{18}H_{26}N_4O_{10}S_2$ MW : 680.64 CAS : 64013-70-3 Potency : $\geq 750 \mu\text{g}/\text{mg}$ Store at 2 - 8°C	TC636M-1G	1gm	
	TC636M-5G	5gm	
	TC636M-25G	25gm	
<b>Lactose monohydrate</b> <span style="color: red;">New</span> Meets USP 41-NF 36, EP 9.0, JP 17 and IP 2018 testing specifications $C_{12}H_{22}O_{11} \cdot H_2O$ MW : 360.31 CAS : 64044-51-5 Store below 30°C	TC144M-1KG	1kg	
<b>N-Lauroylsarcosine sodium Salt</b> N-Dodecanoyl-N-methylglycine sodium salt Meets EP 9.0 testing specification $CH_3(CH_2)_{10}CON(CH_3)CH_2COONa$ MW : 293.38 CAS : 137-16-6 Store below 30°C	TC541E-5G	5gm	
	TC541E-25G	25gm	
<b>L-Leucine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_9H_{17}NO_2$ MW : 131.17 CAS : 61-90-5 Store below 30°C	TC078M-10G	10gm	
	TC078M-25G	25gm	
	TC078M-100G	100gm	
	TC078M-1KG	1kg	
<b>L-Lysine monohydrochloride</b> L-Lysine hydrochloride (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_6H_{14}N_2O_2 \cdot HCl$ MW : 182.65 CAS : 657-27-2 Store below 30°C	TC079M-25G	25gm	
	TC079M-100G	100gm	
	TC079M-1KG	1kg	
<b>Magnesium sulfate heptahydrate</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $H_7MgO_{11}S$ MW : 246.466 CAS : 10034-99-8 Store below 30°C	TC577M-100G	100gm	
	TC577M-1KG	1kg	
<b>Manganese (II) sulphate monohydrate</b> Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $MnO_4S \cdot H_2O$ MW : 169 CAS : 10034-96-5 Store below 30°C	TC149M-100G	100gm	
	TC149M-500G	500gm	
<b>D-Mannitol</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_{14}O_6$ MW : 182.172 CAS : 69-65-8 Store below 30°C	TC513M-25G	25gm	
	TC513M-100G	100gm	

Product	Code	Packing	Price in ₹
<b>L-Methionine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_5H_{11}NO_2S$ MW : 149.21 CAS : 63-68-3 Store below 30°C	TC080M-25G	25gm	
	TC080M-100G	100gm	
	TC080M-1KG	1kg	
<b>Methotrexate</b> <span style="color:red">New</span> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{20}H_{22}N_6O_5$ MW : 454.44 CAS : 59-05-2 Store below 30°C	TC762M-1G	1gm	
	TC762M-5G	5gm	
<b>Nicotinamide</b> Niacinamide Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_6H_6N_2O$ MW : 122.12 CAS : 98-92-0 Store below 30°C	TC154M-100G	100gm	
	TC154M-500G	500gm	
<b>Orthophosphoric acid</b> Phosphoric acid Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications $H_3PO_4$ MW : 98 CAS : 7664-38-2 Store below 30°C	TC533M-100G	100gm	
	TC533M-500G	500gm	
<b>L-Phenylalanine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_9H_9NO_2$ MW : 165.19 CAS : 63-91-2 Store below 30°C	TC098M-10G	10gm	
	TC098M-25G	25gm	
	TC098M-100G	100gm	
	TC098M-1KG	1kg	
<b>Pluronic® F-68</b> (See: Pluronic® F-68) Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications $(C_3H_5O.C_2H_4O)_x$ MW : 60.09 CAS : 9003-11-6 Store at 2 - 8°C	TC222M-100G	100gm	
	TC222M-1KG	1kg	
<b>Poloxamer 188</b> (See: Pluronic® F-68) Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications $(C_3H_5O.C_2H_4O)_x$ MW : 60.09 CAS : 9003-11-6 Store at 2 - 8°C	TC222M-100G	100gm	
	TC222M-1KG	1kg	
<b>Polysorbate 20</b> (See: Tween® 20) Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications CAS : 9005-64-5 Store below 30°C	TC287M-100ML	100ml	
	TC287M-5x100ML	5x100ml	
<b>Potassium chloride</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications KCl MW : 74.55 CAS : 7447-40-7 Store below 30°C	TC010M-250G	250gm	
	TC010M-500G	500gm	
	TC010M-1KG	1kg	

Product	Code	Packing	Price in ₹
<b>Potassium dihydrogen phosphate anhydrous</b> Monobasic Potassium phosphate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $KH_2PO_4$ MW : 136.09 CAS : 7778-77-0 Store below 30°C	TC011M-100G	100gm	
	TC011M-500G	500gm	
	TC011M-1KG	1kg	
	TC011M-5KG	5kg	
<b>di-Potassium hydrogen phosphate anhydrous</b> Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications $HK_2O_4P$ MW : 174.2 CAS : 7758-11-4 Store below 30°C	TC596M-500G	500gm	
	TC596M-1KG	1kg	
<b>Potassium hydroxide pellets</b> <span style="color:red">New</span> Potash Caustic Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications KOH MW : 56.11 CAS : 1310-58-3 Store below 30°C	TC505M-1KG	1kg	
	TC505M-5KG	5kg	
<b>Potassium iodide</b> <span style="color:red">New</span> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications KI MW : 166.00 CAS : 7681-11-0 Store below 30°C	TC766M-250G	250gm	
	TC766M-1KG	1kg	
	TC766M-5KG	5kg	
<b>Potassium sulfate</b> <span style="color:red">New</span> Meets EP 9.0 and BP 2016 testing specification $K_2SO_4$ MW : 174.26 CAS : 7778-80-5 Store below 30°C	TC765M-100G	100gm	
	TC765M-500G	500gm	
	TC765M-1KG	1kg	
<b>L-Proline</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications $C_5H_9NO_2$ MW : 115.13 CAS : 147-85-3 Store below 30°C	TC109M-25G	25gm	
	TC109M-100G	100gm	
	TC109M-500G	500gm	
	TC109M-1KG	1kg	
<b>1-Propanol</b> N-Propanol Meets EP 9.0 and BP 2016 testing specifications $C_3H_8O$ MW : 60.09 CAS : 71-23-8 Store below 30°C	TC571M-500ML	500ml	
	TC571M-1L	1l	
<b>Pyridoxine hydrochloride</b> Vitamin B6; Pyridoxol hydrochloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_8H_{11}NO_3.HCl$ MW : 205.64 CAS : 58-56-0 Store at 2 - 8°C	TC039M-10G	10gm	
	TC039M-25G	25gm	
	TC039M- 100G	100gm	
<b>(-)-Riboflavin</b> Vitamin G; Vitamin B2; Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications $C_{17}H_{20}N_4O_6$ MW : 376.36 CAS : 83-88-5 Store below 30°C	TC167M-25G	25gm	
	TC167M-100G	100gm	

Product	Code	Packing	\$Price in ₹
<b>L-Serine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> MW : 105.09 CAS : 56-45-1 Store below 30°C	TC113M-25G	25gm	
	TC113M-100G	100gm	
	TC113M-500G	500gm	
	TC113M-1KG	1kg	
<b>Sodium acetate anhydrous</b> Acetic acid sodium salt, Sodium acetate Meets USP 41-NF 36 testing specifications CH <sub>3</sub> COONa MW : 82.03 CAS : 127-09-3 Store below 30°C	TC023U-100G	100gm	
	TC023U-500G	500gm	
<b>Sodium acetate trihydrate</b> Acetic acid sodium salt trihydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C <sub>2</sub> H <sub>3</sub> NaO <sub>5</sub> MW : 136.079 CAS : 6131-90-4 Store below 30°C	TC456M-250G	250gm	
	TC456M-500G	500gm	
	TC456M-1KG	1kg	
	TC456M-2KG	2kg	
	TC456M-5KG	5kg	
<b>Sodium bicarbonate</b> Sodium hydrogen carbonate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NaHCO <sub>3</sub> MW : 84.01 CAS : 144-55-8 Store below 30°C	TC230M-100G	100gm	
	TC230M-500G	500gm	
	TC230M-1KG	1kg	
	TC230M-5KG	5kg	
<b>Sodium caprylate</b> <span style="color: red;">New</span> Sodium octanoate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> MW : 144.21 CAS : 124-07-2 Store below 30°C	TC770M-100G	100gm	
	TC770M-500G	500gm	
	TC770M-1KG	1kg	
<b>Sodium chloride</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NaCl MW : 58.44 CAS : 7647-14-5 Store below 30°C	TC046M-500G	500gm	
	TC046M-1KG	1kg	
	TC046M-5KG	5kg	
	TC046M-10KG	10kg	
<b>Sodium citrate anhydrous</b> Meets USP 41-NF 36 testing specifications Na <sub>3</sub> C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> MW : 214.11 CAS : 68-04-2 Store below 30°C	TC526U-100G	100gm	
	TC526U-500G	500gm	
<b>tri-Sodium citrate dihydrate</b> Sodium citrate dihydrate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications Na <sub>3</sub> C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> ·2H <sub>2</sub> O MW : 294.1 CAS : 6132-04-3 Store below 30°C	TC249M-500G	500gm	
	TC249M-1KG	1kg	
	TC249M-5KG	5kg	
<b>Sodium hydroxide pellets</b> Caustic Soda Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NaOH MW : 40 CAS : 1310-73-2 Store below 30°C	TC460M-500G	500gm	
	TC460M-1KG	1kg	
	TC460M-5KG	5kg	

Product	Code	Packing	\$Price in ₹
<b>di-Sodium hydrogen phosphate anhydrous</b> Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications Na <sub>2</sub> HPO <sub>4</sub> MW : 141.96 CAS : 7558-79-4 Store below 30°C	TC051M-100G	100gm	
	TC051M-500G	500gm	
	TC051M-1KG	1kg	
	TC051M-5KG	5kg	
<b>di-Sodium hydrogen phosphate dihydrate</b> Disodium phosphate dihydrate Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications Na <sub>2</sub> HPO <sub>4</sub> ·2H <sub>2</sub> O MW : 177.99 CAS : 10028-24-7 Store below 30°C	TC507M-500G	500gm	
	TC507M-1KG	1kg	
	TC507M-5KG	5kg	
<b>Sodium molybdate dihydrate</b> Meets EP 9.0 and BP 2016 testing specifications Na <sub>2</sub> MoO <sub>4</sub> ·2H <sub>2</sub> O MW : 241.95 CAS : 10102-40-6 Store below 30°C	TC581M-25G	25gm	
	TC581M-100G	100gm	
	TC581M-500G	500gm	
	TC581M-1KG	1kg	
<b>Sodium phosphate monobasic anhydrous</b> Monosodium dihydrogen orthophosphate, Monosodium phosphate, anhydrous Meets USP 41-NF 36, BP 2016 and IP 2018 testing specifications NaH <sub>2</sub> PO <sub>4</sub> MW : 119.98 CAS : 7558-80-7 Store below 30°C	TC459M-100G	100gm	
	TC459M-500G	500gm	
	TC459M-1KG	1kg	
<b>Sodium phosphate dibasic heptahydrate</b> <span style="color: red;">New</span> Disodium phosphate heptahydrate Meets USP specifications Na <sub>2</sub> HPO <sub>4</sub> ·7H <sub>2</sub> O MW : 268.07 CAS : 7782-85-6 Store below 30°C	TC760U-250G	250gm	
	TC760U-500G	500gm	
	TC760U-1KG	1kg	
<b>Sodium selenite anhydrous</b> Meets EP 9.0 testing specifications Na <sub>2</sub> SeO <sub>3</sub> MW : 172.94 CAS : 10102-18-8 Store below 30°C	TC169E-10G	10gm	
	TC169E-25G	25gm	
	TC169E-100G	100gm	
<b>Sodium sulfate anhydrous</b> Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications Na <sub>2</sub> SO <sub>4</sub> MW : 142.04 CAS : 7757-82-6 Store below 30°C	TC572M-500G	500gm	
	TC572M-1KG	1kg	
	TC572M-5KG	5kg	
<b>D-(-)-Sorbitol</b> Polyhydric alcohol; D- Glucitol Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> MW : 182.17 CAS : 50-70-4 Store below 30°C	TC170M-500G	500gm	
	TC170M-1KG	1kg	
	TC170M-5KG	5kg	
<b>Sucrose</b> D-(+)-Saccharose, Sugar Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> MW : 342.30 CAS : 57-50-1 Store below 30°C	TC048M-500G	500gm	
	TC048M-1KG	1kg	
	TC048M-5KG	5kg	



## Cell Culture Tested Chemicals

Product	Code	Packing	Price in ₹
<b>Thiamine hydrochloride</b> Vitamin B1; Thiamine monohydrochloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> OS.HCl MW : 337.27 CAS : 67-03-8 Store at 2 - 8°C	TC173M-25G TC173M-100G TC173M-500G	25gm 100gm 500gm	
<b>Thimerosal</b> <span style="color: red;">New</span> Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specification C <sub>9</sub> H <sub>9</sub> HgNaO <sub>2</sub> S MW : 404.81 CAS : 54-64-8 Store below 30°C	TC470M-10G TC470M-25G	10gm 25gm	
<b>L-Threonine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> MW : 119.12 CAS : 72-19-5 Store below 30°C	TC120M-25G TC120M-100G TC120M-500G TC120M-1KG	25gm 100gm 500gm 1kg	
<b>D-(+)-Trehalose dihydrate</b> Mycose, Tremalose Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> · 2H <sub>2</sub> O MW : 378.33 CAS : 6138-23-4 Store below 30°C	TC177M-10G TC177M-25G TC177M-100G	10gm 25gm 100gm	
<b>Tris Base (Trizma®)</b> Tromethamine; Tris(hydroxymethyl)aminomethane, Trometamol Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications NH <sub>2</sub> C(CH <sub>2</sub> OH) <sub>3</sub> MW : 121.14 CAS : 77-86-1 Store below 30°C	TC072M-100G TC072M-500G TC072M-1KG	100gm 500gm 1kg	
<b>L-Tryptophan</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> MW : 204.23 CAS : 73-22-3 Store below 30°C	TC121M-25G TC121M-100G TC121M-500G TC121M-1KG	25gm 100gm 500gm 1kg	
<b>Tween® 20</b> (See: Polysorbate 20) Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications CAS : 9005-64-5 Store below 30°C	TC287M-100ML TC287M-5x100ML	100ml 5x100ml	
<b>L-Tyrosine</b> (From animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications 4-(HO)C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> CH(NH <sub>2</sub> )CO <sub>2</sub> H MW : 181.19 CAS : 60-18-4 Store below 30°C	TC122M-25G TC122M-100G TC122M-500G TC122M-1KG	25gm 100gm 500gm 1kg	
<b>Urea</b> (Carbamide) Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications NH <sub>2</sub> CONH <sub>2</sub> MW : 60.06 CAS : 57-13-6 Store below 30°C	TC180M-500G TC180M-1KG TC180M-5KG	500gm 1kg 5kg	

Product	Code	Packing	Price in ₹
<b>L-Valine</b> (From non-animal source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub> MW : 117.15 CAS : 72-18-4 Store below 30°C	TC132M-25G TC132M-100G TC132M-500G TC132M-1KG	25gm 100gm 500gm 1kg	
<b>Vitamin B12</b> (See : Cyanocobalamin) Cell Culture Tested Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C <sub>63</sub> H <sub>88</sub> CoN <sub>14</sub> O <sub>14</sub> P MW : 1355.37 CAS : 68-19-9 Store at 2-8°C	TC183M-100MG TC183M-250MG TC183M-1G TC183M-5G	100mg 250mg 1gm 5gm	
<b>Zinc chloride anhydrous</b> Zinc(II) chloride, Zinc dichloride Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications ZnCl <sub>2</sub> MW : 136.29 CAS : 7646-85-7 Store below 30°C	TC184M-100G TC184M-500G TC184M-1KG	100gm 500gm 1kg	
<b>Zinc sulfate heptahydrate</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications ZnSO <sub>4</sub> ·7H <sub>2</sub> O MW : 287.56 CAS : 7446-20-0 Store below 30°C	TC131M-100G TC131M-500G	100gm 500gm	

Product	Code	Packing	\$Price in ₹
<b>Vaccine Stabilizers and Adjuvants</b>			
<b>Aluminium hydroxide, dried gel</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications MW : 78 CAS : 21645-51-2 Store below 30°C	TC550M-500G TC550M-1KG TC550M-5KG	500gm 1kg 5kg	
<b>Aluminium phosphate gel</b> Meets EP 9.0 and BP 2016 testing specifications Al <sub>2</sub> O <sub>3</sub> P MW : 121.95 CAS : 7784-30-7 Store below 30°C	TC551M-100ML TC551M-500ML	100ml 500ml	
<b>Aluminium phosphate gel</b> Meets USP 41-NF 36 testing specifications Al <sub>2</sub> O <sub>3</sub> P MW : 121.95 CAS : 7784-30-7 Store below 30°C	TC551U-100ML TC551U-500ML	100ml 500ml	
<b>Aluminium potassium sulphate dodecahydrate</b> (See: Potassium alum dodecahydrate) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications KAl(SO <sub>4</sub> ) <sub>2</sub> ·12H <sub>2</sub> O MW : 474.39 CAS : 7784-24-9 Store below 30°C	TC552M-500G TC552M-1KG	500gm 1kg	
<b>Ammonium sulphate</b> Diammonium sulphate Meets USP 41-NF 36 testing specifications (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> MW : 132.14 CAS : 7783-20-2 Store below 30°C	TC553U-500G TC553U-1KG TC553U-5KG	500gm 1kg 5kg	
<b>Benzethonium chloride</b> Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications C <sub>27</sub> H <sub>42</sub> ClNO <sub>2</sub> MW : 448.09 CAS : 121-54-0 Store below 30°C	TC554M-100G TC554M-250G	100gm 250gm	
<b>Bromoethyl amine hydrobromide</b> 2-Aminoethyl bromide hydrobromide BrCH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub> ·HBr MW : 204.89 CAS : 2576-47-8 Assay : ≥96% Store below 30°C	TC516-100G TC516-1KG TC516-5KG	100gm 1kg 5kg	
<b>Cetyl trimethyl ammonium bromide</b> Cetrimonium bromide; Hexadecyltrimethylammonium bromide Meets USP 41-NF 36 testing specifications MW : 364.45 CAS : 57-09-0 Store below 30°C	TC555U-25G TC555U-100G TC555U-500G	25gm 100gm 500gm	

Product	Code	Packing	\$Price in ₹
<b>Formaldehyde sol, ≥35%</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CH <sub>2</sub> O MW : 30.03 CAS : 50-00-0 Store below 30°C	TC557M-500ML	500ml	
<b>Glutaraldehyde, 50%</b> Glutaral Meets USP 41- NF 36, BP 2016 and IP 2018 testing specifications MW : 100.12 CAS : 111-30-8 Store at 2 - 8°C	TC558M-100ML	100ml	
<b>Hemin</b> MW : 652 CAS : 16009-13-5 Assay : ≥95% Store at 2 - 8°C	TC559-1G TC559-5G	1gm 5gm	
<b>Magnesium stearate</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications C <sub>36</sub> H <sub>70</sub> MgO <sub>4</sub> MW : 591.27 CAS : 557-04-0 Store below 30°C	TC560M-500G TC560M-1KG	500gm 1kg	
<b>Mineral oil</b> White Mineral oil C <sub>10</sub> H <sub>18</sub> O MW : 78.13 CAS : 8042-47-5 Store below 30°C	TC600-100ML TC600-500ML	100ml 500ml	
<b>Monosodium glutamate</b> Meets USP 41-NF 36 testing specifications MW : 169.11 Store below 30°C	TC561U-100G TC561U-500G	100gm 500gm	
<b>2-Phenoxyethanol</b> Phenoxyethanol, 2-Phenoxyethyl alcohol Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specifications C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> MW : 138.16 CAS : 122-99-6 Store below 30°C	TC549M-500ML	500ml	
<b>Povidone, K-value ≤15</b> Plasdone C; PVP; 1-Vinyl-2-pyrrolidinone polymer Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications (C <sub>6</sub> H <sub>9</sub> NO) <sub>n</sub> CAS : 9003-39-8 Store below 30°C	TC601M-10G TC601M-50G TC601M-100G TC601M-500G	10gm 50gm 100gm 500gm	
<b>Povidone, K-value &gt; 15</b> Plasdone C; PVP; 1-Vinyl-2-pyrrolidinone polymer Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications (C <sub>6</sub> H <sub>9</sub> NO) <sub>n</sub> CAS : 9003-39-8 Store below 30°C	TC562M-10G TC562M-50G TC562M-100G TC562M-500G	10gm 50gm 100gm 500gm	
<b>Potassium Alum dodecahydrate</b> (See: Aluminium potassium sulphate, dodecahydrate) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications KAl(SO <sub>4</sub> ) <sub>2</sub> ·12H <sub>2</sub> O MW : 474.39 CAS : 7784-24-9 Store below 30°C	TC552M-500G TC552M-1KG	500gm 1kg	

Product	Code	Packing	Price in ₹
<b>Polysorbate 80</b> (See: Tween® 80) Polyoxyethylene 20 sorbitan monooleate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CAS : 9005-65-6 Store below 30°C	TC543M-100ML TC543M-500ML	100ml 500ml	
<b>β-Propiolactone</b> C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> MW : 72.06 CAS : 57-57-8 Assay : ≥97% Store at -20°C	TC223-100ML	100ml	
<b>Protamine sulphate</b> Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications MW : 372.42 CAS : 9009-65-8 Store below 30°C	TC563M-10G TC563M-50G	10gm 50gm	
<b>Span® 80, Vaccine grade</b> C <sub>2</sub> H <sub>44</sub> O <sub>6</sub> MW : 428.6 CAS : 1338-43-8 Store below 30°C	TC599-100ML TC599-500ML	100ml 500ml	
<b>Span® 80</b> <span style="color: red;">New</span> Meets USP 41-NF 36, EP 9.0, BP 2016 and IP 2018 testing specification C <sub>24</sub> H <sub>44</sub> O <sub>6</sub> MW : 428.60 CAS : 1338-43-8 Store below 30°C	TC599M-100ML TC599M-500ML TC599M-1L	100ml 500ml 1lt	
<b>Tween®80</b> (See: Polysorbate 80) Polyoxyethylene 20 sorbitan monooleate Meets USP 41-NF 36, EP 9.0, JP 17, BP 2016 and IP 2018 testing specifications CAS : 9005-65-6 Store below 30°C	TC543M-100ML TC543M-500ML	100ml 500ml	
<b>Vitamins</b>			
<b>L-Ascorbic acid</b> (Vitamin C) Cell Culture Tested C <sub>6</sub> H <sub>8</sub> O <sub>6</sub> MW : 176.12 CAS : 50-81-7 Assay : ≥99% Store below 30°C	TC094-25G TC094-100G TC094-500G	25gm 100gm 500gm	
<b>L-Ascorbic acid sodium salt</b> (Vitamin C sodium salt) Cell Culture Tested C <sub>6</sub> H <sub>7</sub> NaO <sub>6</sub> MW : 198.11 CAS : 134-03-2 Assay : ≥99% Store below 30°C	TC095-100G TC095-500G	100gm 500gm	
<b>D-Biotin</b> (Vitamin B7, Vitamin H) Cell Culture Tested C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S MW : 244.31 CAS : 58-85-5 Assay : ≥99% Store at 2 - 8°C	TC096-1G TC096-5G TC096-25G	1gm 5gm 25gm	

Product	Code	Packing	Price in ₹
<b>Cholecalciferol</b> (Vitamin D3) Cell Culture Tested C <sub>27</sub> H <sub>44</sub> O MW : 384.64 CAS : 67-97-0 Assay : ≥97% Store at 2 - 8°C	TC029-1G TC029-10G TC029-25G	1gm 10gm 25gm	
<b>Choline chloride</b> Cell Culture Tested C <sub>2</sub> H <sub>7</sub> ClNO MW : 139.62 CAS : 67-48-1 Assay : ≥99% Store below 30°C	TC102-100G TC102-500G TC102-1KG	100gm 500gm 1kg	
<b>Folic acid</b> (Vitamin M; Vitamin B9) Cell Culture Tested C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub> MW : 441.4 CAS : 59-30-3 Assay : ≥95% Store at 2 - 8°C	TC123-5G TC123-25G	5gm 25gm	
<b>Menadione sodium bisulfite</b> (Vitamin K3, W.S.) Cell Culture Tested C <sub>11</sub> H <sub>9</sub> NaO <sub>3</sub> S MW : 276.24 CAS : 130-37-0 Assay : ≥95% Store at 2 - 8°C	TC151-25G TC151-100G	25gm 100gm	
<b>Niacinamide</b> Nicotinamide Cell Culture Tested C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O MW : 122.12 CAS : 98-92-0 Assay : ≥98.5% Store below 30°C	TC154-100G TC154-500G	100gm 500gm	
<b>Nicotinic acid</b> (Vitamin B3, Niacin) Cell Culture Tested C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub> MW : 123.11 CAS : 59-67-6 Assay : ≥99% Store below 30°C	TC157-100G TC157-500G	100gm 500gm	
<b>D-Pantothenic acid hemicalcium salt</b> Cell Culture Tested C <sub>9</sub> H <sub>16</sub> O <sub>5</sub> N.1/2Ca MW : 238.27 CAS : 137-08-6 Assay : ≥98% Store at 2 - 8°C	TC159-25G TC159-100G TC159-500G	25gm 100gm 500gm	
<b>Pyridoxal hydrochloride</b> Cell Culture Tested C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub> .HCl MW : 203.62 CAS : 65-22-5 Assay : ≥99% Store at 2 - 8°C	TC164-5G TC164-25G	5gm 25gm	
<b>Pyridoxamine dihydrochloride</b> Cell Culture Tested C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> .2HCl MW : 241.11 CAS : 524-36-7 Assay : ≥98% Store at 2 - 8°C	TC165-1G TC165-5G TC165-25G	1gm 5gm 25gm	

Product	Code	Packing	\$Price in ₹
<b>Pyridoxine hydrochloride</b> (Vitamin B6 hydrochloride) Cell Culture Tested $C_8H_{11}NO_3 \cdot HCl$ MW : 205.64      CAS : 58-56-0 Assay : $\geq 99\%$ Store at 2 - 8°C	TC039-10G	10gm	
	TC039-25G	25gm	
	TC039-100G	100gm	
<b>Retinol acetate</b> (Vitamin A acetate powder; Retinyl acetate) Cell Culture Tested $C_{27}H_{32}O_2$ MW : 328.49      CAS : 127-47-9 Potency : $\geq 475000$ IU/g Store at 2 - 8°C	TC153-1G	1gm	
	TC153-5G	5gm	
	TC153-25G	25gm	
<b>(-)-Riboflavin</b> (Vitamin G; Vitamin B2) Cell Culture Tested $C_{17}H_{20}N_4O_6$ MW : 376.36      CAS : 83-88-5 Assay : $\geq 98\%$ Store below 30°C	TC167-25G	25gm	
	TC167-100G	100gm	

Product	Code	Packing	\$Price in ₹
<b>Thiamine hydrochloride</b> (Vitamin B1 hydrochloride) Cell Culture Tested $C_{12}H_{17}ClN_4OS \cdot HCl$ MW : 337.27      CAS : 67-03-8 Assay : $\geq 99\%$ Store at 2 - 8°C	TC173-25G	25gm	
	TC173-100G	100gm	
	TC173-500G	500gm	
<b>DL-<math>\alpha</math>-Tocopherol acetate</b> (Vitamin E acetate) Cell Culture Tested $C_{51}H_{82}O_3$ MW : 472.74      CAS : 7695-91-2 Assay : $\geq 96\%$ Store at 2 - 8°C	TC376-5G	5gm	
	TC376-25G	25gm	
	TC376-100G	100gm	
<b>Vitamin B<sub>12</sub></b> (Cyanocobalmin) Cell Culture Tested $C_{63}H_{88}CoN_{14}O_{14}P$ MW : 1355.37      CAS : 68-19-9 Assay : $\geq 96\%$ Store at 2 - 8°C	TC183-100MG	100mg	
	TC183-250MG	250mg	
	TC183-1G	1gm	
	TC183-5G	5gm	

For Cytokines and Growth Factors please refer Page 446 - 451

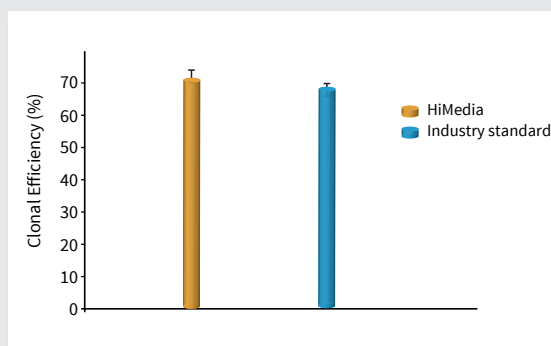
For Stains and Indicators please refer Page 460 - 464

# Mesenchymal Stem Cell Tested Sera

- Suitable for culturing Mesenchymal Stem Cells
- Eliminates need to test multiple serum lots
- Save time and money
- Avoids unwanted differentiation of stem cells
- Extensively prescreened for...

## Clonal efficiency

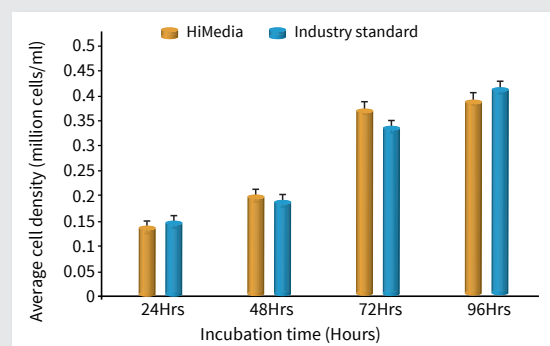
Ability to form colonies in culture



Comparative performance of MSC tested FBS on clonal efficiency of mesenchymal stem cells

## Expansion

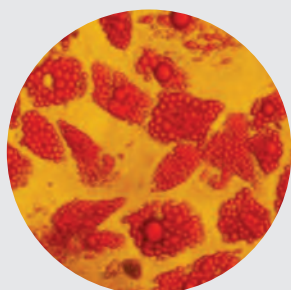
Ability to proliferate and generate high cell densities without getting differentiated



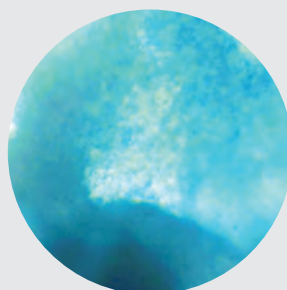
Comparative performance of MSC tested FBS on expansion of Adipose derived MSC's

## Differentiation potential

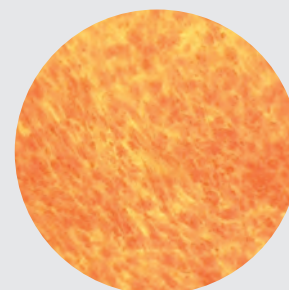
Ability to support adipogenic, osteogenic and chondrogenic differentiation under appropriate culture conditions



Adipogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



Chondrogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



Osteogenic differentiation of human adult MSC cultured in MSC tested FBS (40X)



HiMedia leverages its vast experience and knowhow to deliver equipments and consumables that make laboratory procedures in animal cell culture more efficient, productive and reliable.

## CELL CULTURE SYSTEMS

Product	Prefix	Page
<b>TPP Labwares</b>		502-505
<b>Sterile Culture Vessels</b>		
Tissue culture flasks	TCG/TCS/ TCP	506-507
HiFactory™	TCP	507
Tissue culture roller bottle	TCS/TCG	507-508
Tissue culture multiwell plates	TPG/TPP/ TPC	508-509
Tissue culture dishes	TCP	509
Cell culture scaffold	TCP	510
Bioreactor tubes	TCP	510
IVF culture dish	TCP	511
Insect breeding dishes	TCP	511
Confocal dish	TCP	511
Tray plate	TCP	511
<b>Cryogenic Storage</b>		
Cryovials	TCP	512
Freezing tubes	TCP	512
<b>Liquid Handling</b>		
Disposable serological pipettes (Individually packed)	PW	513
Disposable serological pipettes (Bulk packed)	TCP	513-514
Disposable serological mini pipettes	TCP	514

Product	Prefix	Page
Auto HiPette™	LA	514
Flip-cap centrifuge tubes	TCP	515
225 ml conical centrifuge tubes	TCP	515
<b>Solution Storage</b>		
Sterile polycarbonate bottles	TCP	516
Sterile solution bottles	TCP	516
Sterile PET bottles	TCP	517
<b>Miscellaneous</b>		
Sterile cell scraper	TCP	518
Coverslips	TCP	518
Sterile cell strainer	TCP	518
Sterile cell culture inserts	TCP	519-521
Microtube rack	TCP	521
<b>HiQ™ Series of Premium Grade Labware</b>		
Tissue culture flasks	TCP	522
Tissue culture dishes	TCP	522-523
Multi-well plates	TCP	523
Erlenmeyer flasks	TCP	523-524
Cryovials	TCP	524-525
Centrifuge tubes	TCP	525
Cell scrapers and lifter	TCP	525
Cell culture inserts	TCP	526
Cell strainers	TCP	526



*Tissue culture and laboratory plastic made in Switzerland*



HiMedia is now an Authorized Distributor of TPP Labware  
High quality plasticware manufactured as per ISO9001:2015 norms

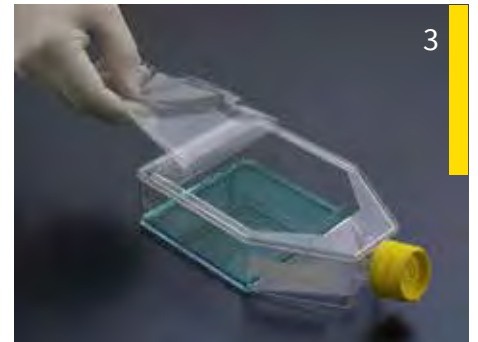
- Culture vessels
- Culture vessels for special applications
- Liquid handling
- 3-B Products (triple bagged products)
- Cryogenic storage
- Filtration
- Miscellaneous



1



2



3

**Culture vessels**

- 1 Tissue Culture Flasks – Standard
- 2 Tissue Culture Flask with Re-Closable Lid
- 3 Tissue Culture Flask with Peel-Off Foil
- 4 Tissue Culture Test Plates
- 5 Tissue Culture Dishes



4

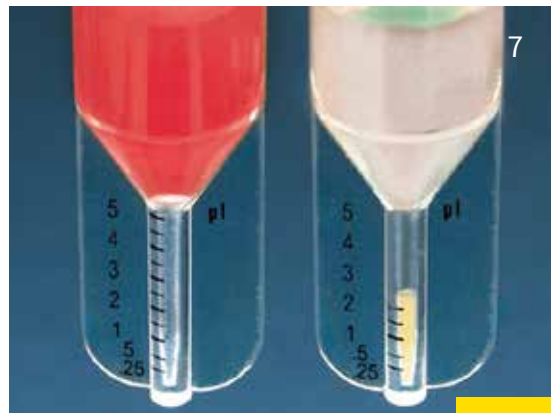


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### Culture vessels for special applications

- 1 Clipmax
- 2 Tissue Culture Flat Tube 10
- 3 Tissue Culture Tube 20
- 4 TubeSpin Bioreactor
- 5 TubeSpin Bioreactor – Racks
- 6 TubeSpin Bioreactor with Septum
- 7 PCV Packed Cell Volume Tube







**Liquid handling**

- 1 Centrifuge Tubes
- 2 Serological Pipettes Standard Version
- 3 Serological Pipettes with Reservoir
- 4 Turbo Fix

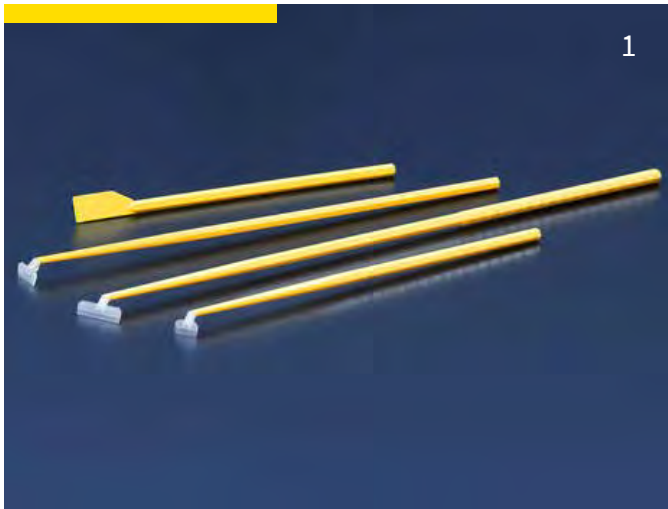


**Filtration**

- 1 Syringe Filters
- 2 Vacuum Filtration "rapid"-Filtermax

**Cryogenic storage**  
Cryo Tubes and Storage





**Miscellaneous**

- 1 Cell Scraper and Cell Spatula
- 2 “easy read” measuring instrument
- 3 Racks and Boxes for Storage



**3-B Products (triple bagged products)**



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## Sterile Culture Vessels

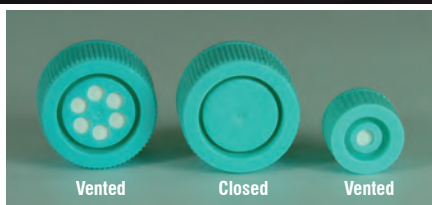
Tissue Culture Flask  
Tissue Culture Dishes  
Confocal Dish

HiFactory™  
Bioreactor Tubes  
Tray Plate

Tissue Culture Roller Bottles  
Cell Culture Scaffold  
Insect Breeding Dishes

Tissue Culture Multiwell Plates  
IVF Culture Dish

### Sterile Tissue Culture Flasks



- Manufactured from optically clear **virgin polystyrene**
- Sterilized by gamma irradiation
- Non-pyrogenic, Non-toxic, DNase-RNase free
- Available as surface-treated and non-treated flasks for adherent and suspension cells respectively
- Optically clear and flat polystyrene surface of flasks ensures distortion free viewing of cells
- Frosted area provided on side of flask for easy labeling
- Two different cap styles can be used in both open and closed systems  
**Closed Cap:** Standard polyethylene caps for use of flasks in closed systems. Can also be used in open systems by keeping one thread loose  
**Vented Cap:** Vented polyethylene caps with a 0.22 μm hydrophobic filter to allow gas exchange and minimize risk of cross-contamination

#### For Suspension Cells Non-treated Flasks

Code	Surface type	Growth area (cm <sup>2</sup> )	Cap style	Working volume (ml)
TCS1	Non-treated	12.5	Non vented	3.0 - 5.0
TCS2	Non-treated	12.5	Vented	3.0 - 5.0
TCS3	Non-treated	25	Non vented	5.0 - 7.0
TCS4	Non-treated	25	Vented	5.0 - 7.0
TCS5	Non-treated	75	Non vented	10.0 - 15.0
TCS6	Non-treated	75	Vented	10.0 - 15.0
TCS7	Non-treated	182	Non vented	30.0 - 35.0
TCS8	Non-treated	182	Vented	30.0 - 35.0

#### Product

Code

Packing

Price in ₹

Tissue Culture Flask  
Close cap, 25 ml volume,  
surface 12.5 cm<sup>2</sup>

TCS1-4x10NO  
TCS1-10x10NO  
TCS1-20x10NO

4x10 no  
10x10 no  
20x10 no

#### Product

Code

Packing

Price in ₹

Tissue Culture Flask  
Vented cap, 25 ml volume,  
surface 12.5 cm<sup>2</sup>

TCS2-4x10NO  
TCS2-10x10NO  
TCS2-20x10NO

4x10 no  
10x10 no  
20x10 no

Tissue Culture Flask  
Close cap, 50 ml volume,  
surface 25.0 cm<sup>2</sup>

TCS3-4x10NO  
TCS3-10x10NO  
TCS3-20x10NO

4x10 no  
10x10 no  
20x10 no

Tissue Culture Flask  
Vented cap, 50 ml volume,  
surface 25.0 cm<sup>2</sup>

TCS4-4x10NO  
TCS4-10x10NO  
TCS4-20x10NO

4x10 no  
10x10 no  
20x10 no

Tissue Culture Flask  
Close cap, 250 ml volume,  
surface 75.0 cm<sup>2</sup>

TCS5-5x5NO  
TCS5-10x5NO  
TCS5-20x5NO

5x5 no  
10x5 no  
20x5 no

Tissue Culture Flask  
Vented cap, 250 ml volume,  
surface 75.0 cm<sup>2</sup>

TCS6-5x5NO  
TCS6-10x5NO  
TCS6-20x5NO

5x5 no  
10x5 no  
20x5 no

Tissue Culture Flask  
Close cap, 600 ml volume,  
surface 182.0 cm<sup>2</sup>

TCS7-4x5NO  
TCS7-8x5NO

4x5 no  
8x5 no

Tissue Culture Flask  
Vented cap, 600 ml volume,  
surface 182.0 cm<sup>2</sup>

TCS8-4x5NO  
TCS8-8x5NO

4x5 no  
8x5 no

#### For Adherent Cells Surface treated Flasks

Code	Surface type	Growth area (cm <sup>2</sup> )	Cap style	Working volume (ml)
TCG1	Treated	12.5	Non vented	3.0 - 5.0
TCG2	Treated	12.5	Vented	3.0 - 5.0
TCG3	Treated	25	Non vented	5.0 - 7.0
TCG4	Treated	25	Vented	5.0 - 7.0
TCG5	Treated	75	Non vented	10.0 - 15.0
TCG6	Treated	75	Vented	10.0 - 15.0
TCG7	Treated	182	Non vented	30.0 - 35.0
TCG8	Treated	182	Vented	30.0 - 35.0
TCP218	Treated	300	Non vented	80 - 120
TCP220	Treated	300	Vented	80 - 120
TCP221	Treated	225	Vented	50 - 70

Tissue Culture Flask  
Close cap, 25 ml volume,  
surface 12.5 cm<sup>2</sup>

TCG1-4x10NO  
TCG1-10x10NO  
TCG1-20x10NO

4x10 no  
10x10 no  
20x10 no

Tissue Culture Flask  
Vented cap, 25 ml volume,  
surface 12.5 cm<sup>2</sup>

TCG2-4x10NO  
TCG2-10x10NO  
TCG2-20x10NO

4x10 no  
10x10 no  
20x10 no

Tissue Culture Flask  
Close cap, 50 ml volume,  
surface 25.0 cm<sup>2</sup>

TCG3-4x10NO  
TCG3-10x10NO  
TCG3-20x10NO

4x10 no  
10x10 no  
20x10 no

Tissue Culture Flask  
Vented cap, 50 ml volume,  
surface 25.0 cm<sup>2</sup>

TCG4-4x10NO  
TCG4-10x10NO  
TCG4-20x10NO

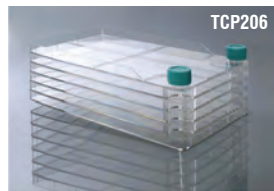
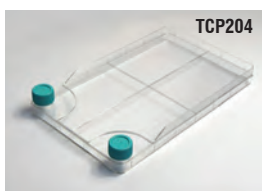
4x10 no  
10x10 no  
20x10 no

Product	Code	Packing	Price in ₹
Tissue Culture Flask Close cap, 250 ml volume, surface 75.0 cm <sup>2</sup>	TCG5-5x5NO TCG5-10x5NO TCG5-20x5NO	5x5 no 10x5 no 20x5 no	
Tissue Culture Flask Vented cap, 250 ml volume, surface 75.0 cm <sup>2</sup>	TCG6-5x5NO TCG6-10x5NO TCG6-20x5NO	5x5 no 10x5 no 20x5 no	
Tissue Culture Flask Close cap, 600 ml volume, surface 182.0 cm <sup>2</sup>	TCG7-4x5NO TCG7-8x5NO	4x5 no 8x5 no	
Tissue Culture Flask Vented cap, 600 ml volume, surface 182.0 cm <sup>2</sup>	TCG8-4x5NO TCG8-8x5NO	4x5 no 8x5 no	
Tissue Culture Flask Closed cap, 850ml volume, Surface 300cm <sup>2</sup>	TCP218-3x3NO TCP218-6x3NO	3x3 no 6x3 no	
Tissue Culture Flask Vented cap, 850ml volume, Surface 300cm <sup>2</sup>	TCP220-3x3NO TCP220-6x3NO	3x3 no 6x3 no	
Tissue Culture Flask Vented cap, 630ml volume, Surface 225 cm <sup>2</sup>	TCP221-2x5NO TCP221-5x5NO	2x5 no 5x5 no	

Product	Code	Packing	Price in ₹			
	<b>Code</b>	<b>No. of chambers</b>	<b>Surface type</b>	<b>Cap style</b>	<b>Total culture area (cm<sup>2</sup>)</b>	<b>Recommended volume (ml)</b>
	TCP204	1	Treated	Vented	647	200
	TCP205	2	Treated	Vented	1279	400
	TCP206	5	Treated	Vented	3175	1000
	TCP207	10	Treated	Vented	6335	2000

<b>HiFactory™, 1 chamber</b> Total culture area 647 cm <sup>2</sup>	<b>TCP204-4x1wNO</b> <b>TCP204-8x1NO</b>	<b>4x1 no</b> <b>8x1 no</b>
<b>HiFactory™, 2 chamber</b> Total culture area 1279 cm <sup>2</sup>	<b>TCP205-4x1NO</b> <b>TCP205-8x1NO</b>	<b>4x1 no</b> <b>8x1 no</b>
<b>HiFactory™, 5 chamber</b> Total culture area 3175 cm <sup>2</sup>	<b>TCP206-2x1NO</b> <b>TCP206-4x1NO</b>	<b>2x1 no</b> <b>4x1 no</b>
<b>HiFactory™, 10 chamber</b> Total culture area 6335 cm <sup>2</sup>	<b>TCP207-2x1NO</b> <b>TCP207-4x1NO</b>	<b>2x1 no</b> <b>4x1 no</b>

## HiFactory™



HiFactory™ systems are compact, multi-layered single use systems for easy scale up of cell culture. These systems are mostly used in commercial production of vaccines & monoclonal antibodies.

- Made up of **high clarity polystyrene**
- Sterilized by electron beam (E-beam sterilization)
- Thin wall design to reduce edge effect
- Surface treated with vacuum plasma for better cell attachment
- Reduced risk of contamination
- Available in 4 chamber sizes - 1, 2, 5 and 10
- Wide mouth with non-reversible lids to prevent cross-contamination
- Culture area of bottom layer : 647cm<sup>2</sup>
- Culture area of upper layers : 632cm<sup>2</sup> per layer
- Height of each layer : 14.5mm
- Non-pyrogenic

## Sterile Tissue Culture Roller Bottle



Roller bottles are large culture vessels used in research and manufacturing where large yield of cell growth and multiplication is required.

### Packaging information

- Individually packed in easy-to-open bag to assure sterility.
- Every pack is properly labeled with lot number for quality traceability.

### General information

- Available as surface-treated for adherent and non-treated for suspension cells with volume capacity 2000ml.
- Available cell growth area for adherent cells is 750cm<sup>2</sup>, 850cm<sup>2</sup> & 1900cm<sup>2</sup>.
- Specially designed large knurls on the cap for easy grip.
- Two different cap styles available for both open and closed culture systems.
- Smooth and striation free bottle surface to get maximum usable area for growth. Silk-printed graduation on bottle.
- Suitable for all the common instruments and automation.
- Sterilized by gamma irradiation.
- Non-autoclavable & Non-pyrogenic.

Product	Code	Packing	Price in ₹
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### For Suspension Cells Non-treated roller bottles

Code	Surface area(cm <sup>2</sup> )	Surface-type	Working volume(ml)	Cap style	Sterile
TCS9	750	Non-treated	250	Close cap	Yes
TCS10	750	Non-treated	250	Vented cap	Yes

<b>Tissue Culture Roller Bottle</b> Surface area: 750cm <sup>2</sup> , Total volume : 2000ml	<b>TCS9-4x1N0</b> <b>TCS9-12x1N0</b>	<b>4x1 no</b> <b>12x1 no</b>
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<b>Tissue Culture Roller Bottle</b> Surface area: 750cm <sup>2</sup> , Total volume : 2000ml	<b>TCS10-4x1N0</b> <b>TCS10-12x1N0</b>	<b>4x1 no</b> <b>12x1 no</b>
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### For Adherent Cells Surface treated roller bottles

Code	Surface area(cm <sup>2</sup> )	Surface-type	Working volume(ml)	Cap style	Sterile
TCG9	750	Surface-treated	250	Close cap	Yes
TCG10	750	Surface-treated	250	Vented cap	Yes
TCG15	850	Surface-treated	170–250	Close cap	Yes
TCG16	1900	Surface-treated	380–570	Close cap	Yes
TCG17	850	Surface-treated	170–250	Vented cap	Yes

<b>Tissue Culture Roller Bottle</b> Surface area: 750cm <sup>2</sup> , Total volume : 2000ml	<b>TCG9-4x1N0</b> <b>TCG9-12x1N0</b>	<b>4x1 no</b> <b>12x1 no</b>
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<b>Tissue Culture Roller Bottle</b> Surface area: 750cm <sup>2</sup> , Total volume : 2000ml	<b>TCG10-4x1N0</b> <b>TCG10-12x1N0</b>	<b>4x1 no</b> <b>12x1 no</b>
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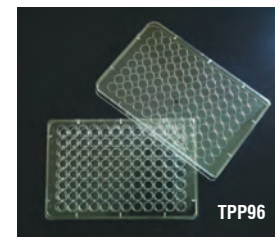
<b>Tissue Culture Roller Bottle</b> Surface area: 850cm <sup>2</sup> , Total volume : 2000ml	<b>TCG15-4x1N0</b> <b>TCG15-12x1N0</b>	<b>4x1 no</b> <b>12x1 no</b>
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<b>Tissue Culture Roller Bottle</b> Surface area: 850cm <sup>2</sup> , Total volume : 2000ml	<b>New</b> <b>TCG17-4x1N0</b> <b>TCG17-12x1N0</b>	<b>4x1 no</b> <b>12x1 no</b>
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<b>Tissue Culture Roller Bottle, Expanded Surface</b> Surface area: 1900cm <sup>2</sup> , Total volume : 2000ml	<b>TCG16-4x1N0</b> <b>TCG16-12x1N0</b>	<b>4x1 no</b> <b>12x1 no</b>
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Product	Code	Packing	Price in ₹
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### Sterile Tissue Culture Multiwell Plates



#### General information

- Made up of ultra clear 100% virgin polystyrene
- Sterilized by gamma irradiation
- Non-pyrogenic, non-toxic, DNase-RNase free
- Available as surface-treated for adherent and non-treated for suspension cells
- Striation free and flat well bottom to get maximum usable growth area and transparency
- Individual alphanumeric codes for well identification
- Non-reversible lids with condensation rings to prevent contamination
- Suitable for all common instruments and automation

### For Suspension Cells Non-treated Plates

Code	No. of wells	Surface type	Surface area (cm <sup>2</sup> )	Total well volume (ml)	Working volume/well (ml)	Packaging
TPG6	6	Non-treated	9.5	17	3	Plastic/paper bag
TPG12	12	Non-treated	3.9	6.8	2	Plastic/paper bag
TPG24	24	Non-treated	1.9	3.5	1	Plastic/paper bag
TPG48	48	Non-treated	0.7	1.55	0.5	Plastic/paper bag
TPG96	96	Non-treated	0.3	0.39	0.2	Plastic/paper bag

<b>Tissue Culture Plates</b> 6 well, 9.5 cm <sup>2</sup> surface, Packed in plastic / paper bag.	<b>TPG6-1x10N0</b> <b>TPG6-1x50N0</b> <b>TPG6-1x100N0</b> <b>TPG6-1x200N0</b>	<b>1x10 no</b> <b>1x50 no</b> <b>1x100 no</b> <b>1x200 no</b>
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<b>Tissue Culture Plates</b> 12 well, 3.9 cm <sup>2</sup> surface, Packed in plastic / paper bag.	<b>TPG12-1x10N0</b> <b>TPG12-1x50N0</b> <b>TPG12-1x100N0</b> <b>TPG12-1x200N0</b>	<b>1x10 no</b> <b>1x50 no</b> <b>1x100 no</b> <b>1x200 no</b>
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<b>Tissue Culture Plates</b> 24 well, 1.9 cm <sup>2</sup> surface, Packed in plastic / paper bag.	<b>TPG24-1x10N0</b> <b>TPG24-1x50N0</b> <b>TPG24-1x100N0</b> <b>TPG24-1x200N0</b>	<b>1x10 no</b> <b>1x50 no</b> <b>1x100 no</b> <b>1x200 no</b>
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<b>Tissue Culture Plates</b> 48 well, 0.7 cm <sup>2</sup> surface, Packed in plastic / paper bag.	<b>TPG48-1x10N0</b> <b>TPG48-1x50N0</b> <b>TPG48-1x100N0</b> <b>TPG48-1x200N0</b>	<b>1x10 no</b> <b>1x50 no</b> <b>1x100 no</b> <b>1x200 no</b>
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<b>Tissue Culture Plates</b> 96 well, 0.3 cm <sup>2</sup> surface, Packed in plastic / paper bag.	<b>TPG96-1x10N0</b> <b>TPG96-1x50N0</b> <b>TPG96-1x100N0</b> <b>TPG96-1x200N0</b>	<b>1x10 no</b> <b>1x50 no</b> <b>1x100 no</b> <b>1x200 no</b>
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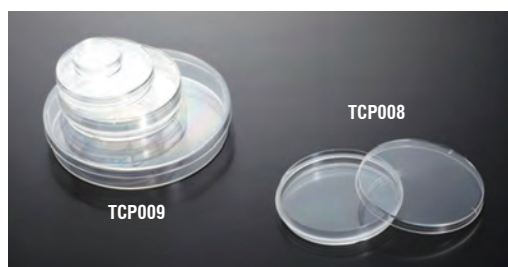
Product	Code	Packing	Price in ₹
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### For Adherent Cells Surface-treated Plates

Code	No. of wells	Surface type	Surface area (cm <sup>2</sup> )	Total well volume (ml)	Working volume/well (ml)	Packaging
TPP6	6	Treated	9.5	17	3	Plastic/paper bag
TPP12	12	Treated	3.9	6.8	2	Plastic/paper bag
TPP24	24	Treated	1.9	3.5	1	Plastic/paper bag
TPP48	48	Treated	0.7	1.55	0.5	Plastic/paper bag
TPP96	96	Treated	0.3	0.39	0.2	Plastic/paper bag
TPC12	12	Treated	3.9	6.8	2	Plastic cassette

<b>Tissue Culture Plates</b> 6 well, 9.5 cm <sup>2</sup> surface, Packed in plastic / paper bag.	TPP6-1x10NO TPP6-1x50NO TPP6-1x100NO TPP6-1x200NO	1x10 no 1x50 no 1x100 no 1x200 no
<b>Tissue Culture Plates</b> 12 well, 3.9 cm <sup>2</sup> surface, Packed in plastic / paper bag.	TPP12-1x10NO TPP12-1x50NO TPP12-1x100NO TPP12-1x200NO	1x10 no 1x50 no 1x100 no 1x200 no
<b>Tissue Culture Plates</b> 24 well, 1.9 cm <sup>2</sup> surface, Packed in plastic / paper bag.	TPP24-1x10NO TPP24-1x50NO TPP24-1x100NO TPP24-1x200NO	1x10 no 1x50 no 1x100 no 1x200 no
<b>Tissue Culture Plates</b> 48 well, 0.7 cm <sup>2</sup> surface, Packed in plastic / paper bag.	TPP48-1x10NO TPP48-1x50NO TPP48-1x100NO TPP48-1x200NO	1x10 no 1x50 no 1x100 no 1x200 no
<b>Tissue Culture Plates</b> 96 well, 0.3 cm <sup>2</sup> surface, Packed in plastic / paper bag.	TPP96-1x10NO TPP96-1x50NO TPP96-1x100NO TPP96-1x200NO	1x10 no 1x50 no 1x100 no 1x200 no
<b>Tissue Culture Plates</b> <span style="border: 1px solid red; padding: 0 2px;">S</span> 12 well, 3.9 cm <sup>2</sup> surface, Packed in plastic cassette.	TPC12-1x10NO TPC12-1x100NO	1x10 no 1x100 no

### Sterile Tissue Culture Dishes



- Manufactured from optically clear **virgin polystyrene**
- Sterilized by gamma irradiation
- Non-pyrogenic, non-toxic, DNase-RNase free
- Optically clear for microscopy
- Smooth and striation free dish surface helps to maximize the usable area for growth

Product	Code	Packing	Price in ₹
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### For Adherent Cells Surface treated Dishes

Code	Surface type	Dimensions (mm)	Working well volume (ml)	Surface area (cm <sup>2</sup> )
TCP006	Treated	35x10	3	9.4
TCP007	Treated	60x15	5	21.5
TCP008	Treated	90x20	12.5	60.8
TCP009	Treated	150x20	35	148

<b>Cell Culture Dish</b> 35x10mm, working volume 3ml Growth area 9.4cm <sup>2</sup>	TCP006-20x10NO TCP006-50x10NO	20x10 no 50x10 no
<b>Cell Culture Dish</b> 60x15mm, working volume 5ml Growth area 21.5cm <sup>2</sup>	TCP007-20x10NO TCP007-50x10NO	20x10 no 50x10 no
<b>Cell Culture Dish</b> 90x20mm, working volume 12.5ml Growth area 60.8cm <sup>2</sup>	TCP008-10x10NO TCP008-20x10NO	10x10 no 20x10 no
<b>Cell Culture Dish</b> 150x20mm, working volume 35ml Growth area 148.0cm <sup>2</sup>	TCP009-6x10NO TCP009-12x10NO	6x10 no 12x10 no

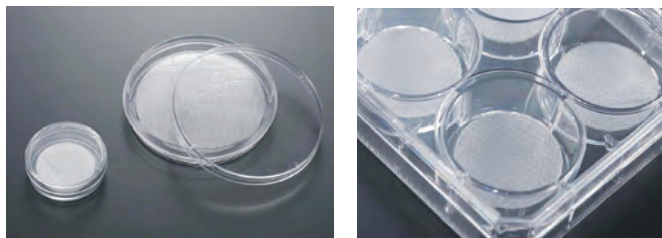
### For Suspension Cells Non-treated Dishes

Code	Surface type	Dimensions (mm)	Working well volume (ml)	Surface area (cm <sup>2</sup> )
TCP010	Non-Treated	35x10	3	9.4
TCP011	Non-Treated	60x15	5	21.5
TCP027	Non-Treated	90x15	12.5	57.5
TCP012	Non-Treated	150x20	35	148

<b>Cell Culture Dish</b> 35x10mm, working volume 3ml Growth area 9.4cm <sup>2</sup>	TCP010-20x10NO TCP010-50x10NO	20x10 no 50x10 no
<b>Cell Culture Dish</b> 60x15mm, working volume 5ml Growth area 21.5cm <sup>2</sup>	TCP011-20x10NO TCP011-50x10NO	20x10 no 50x10 no
<b>Cell Culture Dish</b> 90x15mm, working volume 12.5ml Growth area 57.5cm <sup>2</sup>	TCP027-20x10NO TCP027-50x10NO	20x10 no 50x10 no
<b>Cell Culture Dish</b> 150x20mm, working volume 35ml Growth area 148.0cm <sup>2</sup>	TCP012-6x10NO TCP012-12x10NO	6x10 no 12x10 no

Product	Code	Packing	Price in ₹
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## Cell Culture Scaffold



- 3D scaffold for cell culture enables to simulate the three-dimensional structure of the cells in a laboratory. It provides an ideal environment for the interaction between cells and greatly improves the culture area the cell yield.
- Made of **polystyrene (GPPS)**, a high molecular material, with highly hydrophilic surface for adherent culture
- Pores with high connectivity, facilitating nutrient absorption and metabolism
- Scaffolds available in two culture vessels - Dishes and Multi-well plates
- Sterilized by gamma irradiation
- Non-pyrogenic
- DNase/RNase-free

Code	Dimension of Scaffold	Diameter of fibre (µm)	Aperture (µm)	Surface area (cm <sup>2</sup> )
TCP235	32x1.6 mm	500	260	43
TCP236	51x1.6 mm	500	260	109
TCP237	33.5x1.6 mm	500	260	144
TCP238	21x1.6 mm	500	260	114
TCP239	15x1.6 mm	500	260	120

Cell Culture Scaffold, 35mm Dish	TCP235-40x1NO	40x1 no
Cell Culture Scaffold, 60mm Dish	TCP236-30x1NO	30x1 no
Cell Culture Scaffold, 6 well Plate	TCP237-8x1NO	8x1 no
Cell Culture Scaffold, 12 well Plate	TCP238-8x1NO	8x1 no
Cell Culture Scaffold, 24 well Plate	TCP239-8x1NO	8x1 no

Product	Code	Packing	Price in ₹
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## Sterile Bioreactor Tubes New



- A convenient and economical option for small scale suspension cultures and centrifuge in one tube
- Manufactured from high quality **polypropylene**
- Caps with ultrasonically welded 0.22micron hydrophobic membrane to allow gas exchange
- Frosted area for writing
- Graduations on tube
- Leak proof
- Sterilized by gamma irradiation
- Non-pyrogenic

Code	Volume	Packing	Self standing	Maximum RCF (x g)	Graduation range	Graduation interval	Cap style
TCP227	15	Re-sealable bag	No	12000	1.5 - 14.5ml	0.5ml	Vented
TCP228	15	Rack	No	12000	5.0 - 50.0ml	2.5ml	Vented
TCP229	50	Re-sealable bag	No	16000	1.5 - 14.5ml	0.5ml	Vented
TCP230	50	Rack	No	16000	5.0 - 50.0ml	2.5ml	Vented

<b>Bioreactor Tubes, 15ml</b> <span style="background-color: red; color: white; padding: 2px 5px; border-radius: 10px;">New</span>	<b>TCP227-10x10NO</b>	<b>10x10 no</b>
MOC: Polypropylene, Packed in <b>Re-sealable bag</b>		
<b>Bioreactor Tubes, 15ml</b> <span style="background-color: red; color: white; padding: 2px 5px; border-radius: 10px;">New</span>	<b>TCP228-6x50NO</b>	<b>6x50 no</b>
MOC: Polypropylene Packed in <b>Rack</b>		
<b>Bioreactor Tubes, 50ml</b> <span style="background-color: red; color: white; padding: 2px 5px; border-radius: 10px;">New</span>	<b>TCP229-10x10NO</b>	<b>10x10 no</b>
MOC: Polypropylene Packed in <b>Re-sealable bag</b>		
<b>Bioreactor Tubes, 50ml</b> <span style="background-color: red; color: white; padding: 2px 5px; border-radius: 10px;">New</span>	<b>TCP230-12x25NO</b>	<b>12x25 no</b>
MOC: Polypropylene Packed in <b>Rack</b>		

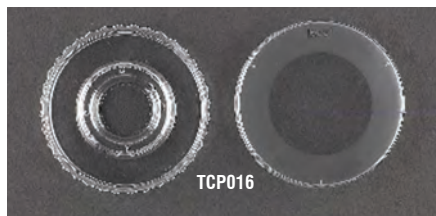
Product

Code

Packing

Price in  
₹

## Sterile IVF Culture Dish



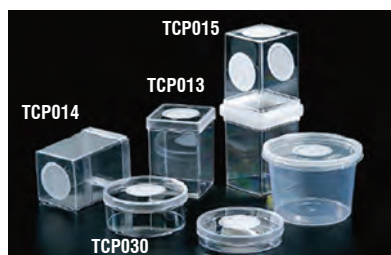
IVF culture dishes are used for *in vitro* fertilization.

- Made of **optical grade polystyrene** for clear microscopic observation
- Sterilized by gamma irradiation
- Non-pyrogenic, Non-toxic, DNase/RNase free
- Easy grip for secure handling
- Embryo-tested

Code	External Dimension (mm)	Centre Well (mm)	Surface type
TCP016	60x15mm	20mm	Treated

<b>IVF Culture Dish</b>	<b>TCP016-20x10NO</b>	<b>20x10 no</b>
60x15mm, Centre well 20mm		

## Insect Breeding Dishes



Insect Breeding Dishes are used for breeding and observation of micro insects.

- Made of **polystyrene**
- Available in two forms - square and circular
- Mesh on cap for ventilation and prevention of escape of insects
- Ventilation hole on the cover enables excellent air circulation and easy humidity control

Code	Type	Dimension (mm)	Hole position	Ventilation hole size	Mesh pore
TCP013	Square	72x72x100	Lid	40mm	0.053µm
TCP014	Square	72x72x100	bottom	40mm	0.053µm
TCP015	Square	72x72x100	3 sides	40mm	0.053µm
TCP030	Circular	90x40	Cap	40mm	0.053µm

<b>Insect Breeding Dish, Square</b>	<b>TCP013-5x4NO</b>	<b>5x4 no</b>
	<b>TCP013-30x4NO</b>	<b>30x4 no</b>

<b>Insect Breeding Dish, Square</b>	<b>TCP014-5x4NO</b>	<b>5x4 no</b>
	<b>TCP014-30x4NO</b>	<b>30x4 no</b>

<b>Insect Breeding Dish, Square</b>	<b>TCP015-5x4NO</b>	<b>5x4 no</b>
	<b>TCP015-30x4NO</b>	<b>30x4 no</b>

<b>Insect Breeding Dish, Circular</b>	<b>TCP030-20x10NO</b>	<b>20x10 no</b>
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Product

Code

Packing

Price in  
₹

## Sterile Confocal Dish



- Suitable tool for fluorescent, confocal and phase-contrast microscopy experiments and live cell examinations
- **Polystyrene** dish with borosilicate glass bottom
- Available with 2 different glass bottom sizes of 15mm and 20mm  
Glass thickness: 0.12-0.16mm
- Smooth and striation free dish surface
- Sterilized by gamma irradiation
- Non-pyrogenic

<b>Confocal Dish, Glass bottom</b>	<b>TCP232-5x10NO</b>	<b>5x10 no</b>
Bottom diameter: 20mm	<b>TCP232-10x10NO</b>	<b>10x10 no</b>
Surface Type: Treated		
<b>Confocal Dish, Glass bottom</b>	<b>TCP234-5x10NO</b>	<b>5x10 no</b>
Bottom diameter: 20mm	<b>TCP234-10x10NO</b>	<b>10x10 no</b>
Surface Type: Non-treated		

## Tray Plate



Tray plate is designed to provide a larger surface area for cell culture. The square feature of the tray ensures easy handling for some applications compared to round type dishes.

- Made up of **polystyrene**
- Sterilized by gamma irradiation
- Surface treated
- Optically clear and flat surface for use in microscopy

Code	External Dimension (mm)	Internal Dimension (mm)	Growth Area (cm <sup>2</sup> )	Surface Type
TCP066	127.6 x 85.6 x 16.2	109.5 x 73.5 x 11.6	80	Treated

<b>Tray Plate</b>	<b>TCP066-5x1NO</b>	<b>5x1 no</b>
Cell Culture Treated, Growth area: 80 cm <sup>2</sup>	<b>TCP066-50x1NO</b>	<b>50x1 no</b>

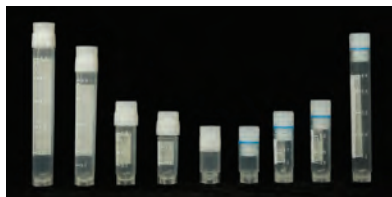


## Cryogenic Storage

### Cryovial, Sterile

### Freezing Tubes

### Cryovials, Sterile



Cryovials are designed for storage of cells, specimens and solutions in liquid nitrogen and ultra low freezers.

- Made up of **polypropylene** (PP) USP grade VI
- Sterilized by electron beam (E-beam sterilization)
- Can withstand temperature up to  $-196^{\circ}\text{C}$
- Available in two types of cap designs - Internally threaded (cap has a silicone ring around) and Externally threaded (cap without silicone ring)
- Self-standing type
- Easy to read graduations
- Frosted area for writing
- Non-pyrogenic
- DNase/RNase free

Code	Material	Threading type	Total Volume	Length(mm)	Diameter(mm)
TCP214	PP	External	0.5ml	32.10	13.91
TCP215	PP	Internal	0.5ml	33.00	12.60
TCP212	PP	External	1.2ml	42.10	13.91
TCP076	PP	External	2.0ml	46.00	13.00
TCP077	PP	Internal	2.0ml	47.00	13.00
TCP216	PP	External	4.0ml	78.88	13.91
TCP217	PP	Internal	4.0ml	78.88	13.91
TCP219	PP	Internal	5.0ml	89.31	12.60

### Product

Code

Packing

Price in ₹

<b>Cryovials, Externally Threaded</b> Volume : 0.5ml	TCP214-2x50NO	2x50 no
	TCP214-5x50NO	5x50 no
	TCP214-10x50NO	10x50 no
<b>Cryovials, Internally Threaded</b> Volume : 0.5ml	TCP215-2x50NO	2x50 no
	TCP215-5x50NO	5x50 no
	TCP215-10x50NO	10x50 no
<b>Cryovials, Externally Threaded</b> Volume : 1.2ml	TCP212- 2x50NO	2x50 no
	TCP212-5x50NO	5x50 no
	TCP212-10x50NO	10x50 no
<b>Cryovials, Externally Threaded</b> Volume : 2.0ml	TCP076-2x50NO	2x50 no
	TCP076-5x50NO	5x50 no
	TCP076-10x50NO	10x50 no

### Product

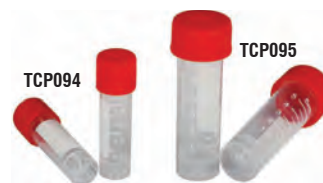
Code

Packing

Price in ₹

<b>Cryovials, Internally Threaded</b> Volume : 2.0ml	TCP077-2x50NO	2x50 no
	TCP077-5x50NO	5x50 no
	TCP077-10x50NO	10x50 no
<b>Cryovials, Externally Threaded</b> Volume : 4.0ml	TCP216- 2x50NO	2x50 no
	TCP216-5x50NO	5x50 no
	TCP216-10x50NO	10x50 no
<b>Cryovials, Internally Threaded</b> Volume : 4.0ml	TCP217- 2x50NO	2x50 no
	TCP217-5x50NO	5x50 no
	TCP217-10x50NO	10x50 no
<b>Cryovials, Internally Threaded</b> Volume : 5.0ml	TCP219-2x50NO	2x50 no
	TCP219-5x50NO	5x50 no
	TCP219-10x50NO	10x50 no

### Freezing Tubes



- Made from durable **polypropylene** and **polyethylene**
- Sterilized by gamma irradiation
- Available in 4 different volumes - 0.5ml, 1.5ml, 1.8ml and 5.0ml
- Freezable at  $-80^{\circ}\text{C}$
- Not suitable for storage in liquid nitrogen
- Specially designed interlocking cap which fits exactly to ensure sterility
- Easy to read graduations with  $\pm 2\%$  accuracy
- Frosted area for writing
- Leak proof
- Non-pyrogenic, non-toxic
- Autoclavable

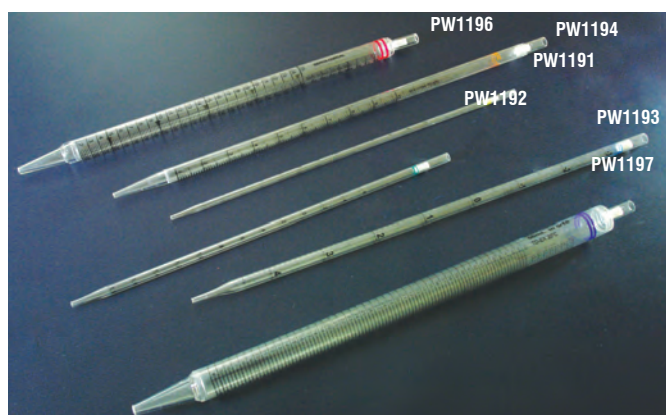
<b>Freezing Tubes</b> Volume : 0.5ml	TCP092-5x100NO	5x100 no
<b>Freezing Tubes</b> Volume : 1.5ml	TCP093-5x100NO	5x100 no
<b>Freezing Tubes</b> Volume : 1.8ml	TCP094-25x20NO	25x20 no
<b>Freezing Tubes</b> Volume : 5ml	TCP095-25x20NO	25x20 no

## Liquid Handling

Disposable Serological Pipettes, Individually Packed  
Disposable Serological Pipettes, Bulk Packed  
Disposable Serological Mini Pipettes

Auto HiPette™  
Flip Cap Centrifuge Tubes, Sterile  
225 ml Conical Centrifuge Tubes, Sterile

### Disposable Serological Pipettes (Narrow Tip), Individually Packed



Serological Pipettes are ideal for accurate liquid transfer or mixing.

- Made up of **polystyrene**
- Sterilized by gamma irradiation
- Non-pyrogenic, Non-toxic
- 1ml, 2ml and 5ml are stretched while 10ml, 25ml and 50ml are ultrasonically welded at the tip and mouthpiece
- Colour coded ring for easy identification
- Graduations are calibrated for accurate dispensing within  $\pm 2\%$
- Bidirectional graduations on the pipette provide added applicability
- Negative graduation allows additional working volume
- All pipettes are supplied with a filter plug
- Leakage tested
- Universal design which makes the pipettes suitable for most brands of pipette aids

Code	Volume	Graduations	Colour code
PW1191	1ml	1/100	Yellow
PW1192	2ml	1/50	Green
PW1193	5ml	1/10	Blue
PW1194	10ml	1/10	Orange
PW1196	25ml	2/10	Red
PW1197	50ml	5/10	Purple

Product	Code	Packing	Price in ₹
<b>Disposable Serological Pipettes, 1ml</b> Individually packed in paper plastic bags.	PW1191-100x1NO	100x1 no	
<b>Disposable Serological Pipettes, 2ml</b> Individually packed in paper plastic bags.	PW1192-100x1NO	100x1 no	

Product	Code	Packing	Price in ₹
<b>Disposable Serological Pipettes, 5ml</b> Individually packed in paper plastic bags.	PW1193-100x1NO	100x1 no	
<b>Disposable Serological Pipettes, 10ml</b> Individually packed in paper plastic bags.	PW1194-100x1NO	100x1 no	
<b>Disposable Serological Pipettes, 25ml</b> Individually packed in paper plastic bags.	PW1196-100x1NO	100x1 no	
<b>Disposable Serological Pipettes, 50ml</b> Individually packed in paper plastic bags.	PW1197-100x1NO	100x1 no	

### Disposable Serological Pipettes, Bulk Packed

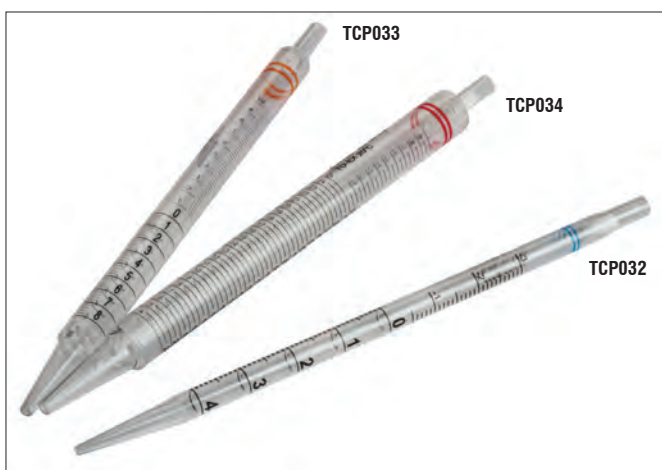


Code	Volume	Graduations	Negative Graduations (ml)	Colour code
TCP122	1ml	1/100	0.20	Yellow
TCP123	2ml	1/100	0.20	Green
TCP124	5ml	1/10	2.5	Blue
TCP125	10ml	1/10	3.0	Orange
TCP126	25ml	2/10	10.0	Red

<b>Disposable Serological Pipettes, 1ml</b> Bulk packed in bags	TCP122-1x50NO TCP122-5x50NO TCP122-10x50NO	1x50 no 5x50 no 10x50 no	
<b>Disposable Serological Pipettes, 2ml</b> Bulk packed in bags	TCP123-1x50NO TCP123-5x50NO TCP123-10x50NO	1x50 no 5x50 no 10x50 no	
<b>Disposable Serological Pipettes, 5ml</b> Bulk packed in bags	TCP124-1x50NO TCP124-5x50NO TCP124-10x50NO	1x50 no 5x50 no 10x50 no	

Product	Code	Packing	Price in ₹
<b>Disposable Serological Pipettes, 10ml</b> Bulk packed in bags	TCP125-1x50NO	1x50 no	
	TCP125-5x50NO	5x50 no	
	TCP125-10x50NO	10x50 no	
<b>Disposable Serological Pipettes, 25ml</b> Bulk packed in bags	TCP126-1x25NO	1x25 no	
	TCP126-4x25NO	4x25 no	
	TCP126-8x25NO	8x25 no	

## Disposable Serological Mini Pipettes



Mini pipettes are specially designed for liquid handling operations in limited working space.

- Significantly shorter than the normal pipette
- 9.2 inches long
- Available in three volume capacities - 5ml, 10ml, 25ml
- Colour coded ring for easy identification
- Non-pyrogenic, non-toxic

Code	Volume	Graduations	Colour code
TCP032	5ml	1/10	Yellow
TCP033	10ml	2/10	Green
TCP034	25ml	5/10	Blue

<b>Disposable Serological Mini Pipettes, 5ml</b> Individually packed in paper plastic bags.	TCP032-200x1NO	200x1 no	
<b>Disposable Serological Mini Pipettes, 10ml</b> Individually packed in paper plastic bags.	TCP033-150x1NO	150x1 no	
<b>Disposable Serological Mini Pipettes, 25ml</b> Individually packed in paper plastic bags.	TCP034-100x1NO	100x1 no	

## Auto HiPette™



AutoHiPette™ provides a convenient aid for dispensing liquid from glass and serological pipettes.

- Has a safety valve and hydrophobic filters that provide protection against fluid penetration
- Three different speed modes- High, Low and Gravity Drain
- Provide better control of speed (convenience of fine-tuning pump speed)
- Cadmium-free environment-friendly NiMH batteries (extended operational life)
- Ease of changing batteries
- Has a low battery indicator

Product	Code	Packing	Price in ₹
<b>Auto HiPette™</b>	LA692-1NO	1 no	
<b>Auto HiPette™ Battery</b>	LA692A-2NO	2 no	
<b>Accessory for Auto HiPette™</b> Contains one 0.2 µm and one 0.45 µm PTFE membrane filter.	LA692B-1PK	1 pk	

## Centrifuge Tubes

### Flip Cap Centrifuge Tubes, Sterile

For one handed operation



- Made from high grade gamma resistant **polypropylene**
- Sterilized by gamma irradiation
- Available in two volumes - 15ml & 50ml
- Conical bottom tube with one hand easy flip-to-open cap
- Black printed graduations and white frosted area for easy writing
- Maximum RCF upto 9400g
- Autoclavable upto 121°C
- Freezable upto -80°C
- Leak proof
- Non-pyrogenic
- All tubes are packaged with caps attached

Code	Volume	DNase/RNase free	Sterile
TCP048	15ml	Yes	Yes
TCP049	50ml	No	Yes
TCP050	50ml	Yes	Yes

### 225ml Conical Centrifuge Tube, Sterile



- Made from high grade gamma resistant **polypropylene**
- Plug seal cap with **polyethylene**
- Engraved graduations
- Maximum RCF upto 7500g
- Autoclavable upto 121°C & Freezable upto -80°C
- Leak proof
- Sterilized by gamma irradiation
- DNase/RNase free and non-pyrogenic

Code	Volume	Size (mm)
TCP035	225ml	61x137

Product	Code	Packing	Price in ₹
<b>Conical Centrifuge Tube</b> [S]	<b>TCP035-1x6NO</b>	<b>1x6 no</b>	
Volume : 225ml, DNase/RNase free			

Product	Code	Packing	Price in ₹
<b>Flip Cap Centrifuge Tube</b> [S] Volume : 15ml, DNase/RNase free	<b>TCP048-2x25NO</b>	<b>2x25 no</b>	
	<b>TCP048-4x25NO</b>	<b>4x25 no</b>	
	<b>TCP048-20x25NO</b>	<b>20x25 no</b>	
<b>Flip Cap Centrifuge Tube</b> [S] Volume : 50ml	<b>TCP049-2x25NO</b>	<b>2x25 no</b>	
	<b>TCP049-4x25NO</b>	<b>4x25 no</b>	
	<b>TCP049-20x25NO</b>	<b>20x25 no</b>	
<b>Flip Cap Centrifuge Tube</b> [S] Volume : 50ml, DNase/RNase free	<b>TCP050-2x25NO</b>	<b>2x25 no</b>	
	<b>TCP050-4x25NO</b>	<b>4x25 no</b>	
	<b>TCP050-20x25NO</b>	<b>20x25 no</b>	

## Solution Storage

Sterile Polycarbonate Bottles

Sterile PET Bottles

Sterile Solution Bottles

### Sterile Polycarbonate Bottles **New**



**Features:**

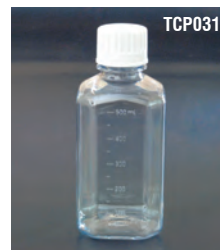
- Bottle made up of **Polycarbonate** with **Polypropylene** cap.
- Sterilized by gamma irradiation.
- Gamma indicator sticker available in individual bottle.
- Available in three sizes - 125 ml, 250 ml and 500 ml.
- Graduations on the bottle.
- Autoclavable 1 - 2 times.

**Applications:**

- Water collection in pharmaceutical, beverages and processed food industry.
- Individually packed and pre-sterilized prevents cross contamination of sample.
- Good choice for short term media storage and containing other aqueous solutions.
- Polycarbonate bottles remain impact resistant down to -135°C and are usable to +135°C, making them suitable for use from the freezer to the autoclave.
- Polycarbonate bottles are chemically compatible with weak acids, alcohols and aliphatic hydrocarbons. They are not suited for exposure to bases, solvents or other aggressive lab chemicals which may cause immediate damage or product failure.

Product	Code	Packing	Price in ₹
Polycarbonate Bottle, 250ml Sterile <b>New</b>	TCP280-120NO	120 no	
Polycarbonate Bottle, 125ml Sterile <b>New</b>	TCP281-120NO	120 no	

### Polycarbonate Bottle, Autoclavable



Polycarbonate bottle- 500ml Autoclavable	TCP031-1X12NO	1x12 no
	TCP031-4X12NO	4x12 no
	TCP031-8X12NO	8x12 no

### Solution Bottles, Sterile



Solution bottles are required for storage of solutions.

- Available in 5 different volumes 150ml, 250ml, 500ml, 1000ml and 2000ml
- Chemical resistant and light weight
- Edge knurls on the cap for easy grip
- Specially designed wide mouth for efficient and stable pouring
- Engraved graduation
- Concave on sides for ease in holding
- Sterilized by gamma irradiation
- Non-pyrogenic, non-toxic & Non-autoclavable

Solution Bottles Volume : 150ml	TCP037-1x12NO	1x12 no
Solution Bottles Volume : 250ml	TCP038-1x12NO	1x12 no
Solution Bottles Volume : 500ml	TCP039-1x12NO	1x12 no
Solution Bottles Volume : 1000ml	TCP040-1x12NO	1x12 no
Solution Bottles Volume : 2000ml	TCP041-1x12NO	1x12 no

## Sterile PET Bottles

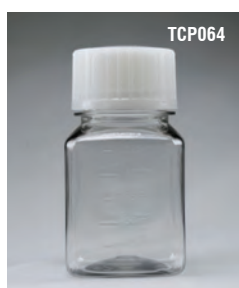


TCP271

- Our bottles are made from durable, break-resistant **polyethylene terephthalate (PET)** with natural high density polyethylene closures.
- Sterilized by gamma irradiation.
- Individually packaged bottles have **Sterility Assurance Level (SAL) of  $10^{-6}$**
- Non-pyrogenic and non-cytotoxic
- Light-weight bottles and come in a space-saving square design.
- Molded in graduations and neck ring for use
- Transparency and reduced permeability to CO<sub>2</sub> and O<sub>2</sub>
- Provide excellent gas barrier properties for storage
- Available in four sizes: 125ml, 250ml, 500ml, and 1000ml

Code	Product Name	Volume	Overflow Capacity	Sterile	Packing	Price (INR)
TCP269-96NO	PET Bottle, Sterile, 125ml	125ml	186 ± 6ml	Yes	6x4 / layer	
TCP270-96NO	PET Bottle, Sterile, 250ml	250ml	340 ± 9ml	Yes	6x4 / layer	
TCP271-56NO	PET Bottle, Sterile, 500ml	500ml	722 ± 13ml	Yes	7x4 / layer	
TCP272-15NO	PET Bottle, Sterile, 1000ml	1000ml	1308 ± 20ml	Yes	5x3 / layer	

### PET Bottle, Sterile



TCP064

Product

Code

Packing

Price in  
₹

PET Bottle, Sterile, 125ml Pyrogen-free	TCP064-1x70NO	1x70 no	
	TCP064-1x96NO	1x96 no	

## Miscellaneous

Cell Scraper

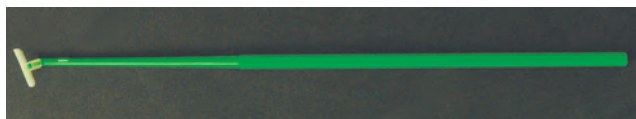
Coverslips

Cell Strainer

Cell Culture Insert

Microtube Rack

### Sterile Cell Scraper



Cell scrapers are used for mechanical harvesting of cells from flasks.

- Sterilized by gamma irradiation
- Pivoting blades of cell scrapers enable precise scraping of cells from surface of the vessel
- Non-pyrogenic, non-toxic, DNase-RNase free
- Polystyrene handle
- Free rotating blade to twist to the desired direction
- Total access to all corner
- Non-pyrogenic

Code	Type	Total length (cm)	Blade width (cm)	Sterile
TCP223	Scraper	23	1.25	Yes
TCP224	Scraper	30	1.25	Yes

Product

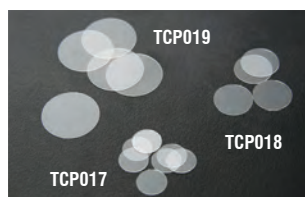
Code

Packing

Price in ₹

<b>Cell Scraper w/ Rotatable blade</b> Blade width: 1.25cm Total length: 23cm	<b>TCP223-50x1N0</b>	<b>50x1 no</b>	
<b>Cell Scraper w/ Rotatable blade</b> Blade width: 1.25cm Total length: 30cm	<b>TCP224-50x1N0</b>	<b>50x1 no</b>	

### Coverslips



Coverslips are used to culture cells on an optical surface which facilitates staining and fixation of cultured cells for microscopy.

- Available in 3 sizes - 12mm, 18mm and 25 mm
- Resistant to breakage & Chemically inert
- Surface treated
- Sterilized by irradiation with Ethylene-oxide gas & Non-autoclavable

Code	Dimension (mm)	Thickness (mm)	Suitable Multiwell Plate
TCP017	15	0.16 - 0.19	24
TCP018	20	0.16 - 0.19	12
TCP019	25	0.16 - 0.19	6

Product

Code

Packing

Price in ₹

<b>Coverslip</b> Diameter 15mm	<b>TCP017-1x200N0</b>	<b>1x200 no</b>	
<b>Coverslip</b> Diameter 20mm	<b>TCP018-1x200N0</b>	<b>1x200 no</b>	
<b>Coverslip</b> Diameter 25mm	<b>TCP019-1x200N0</b>	<b>1x200 no</b>	

### Sterile Cell Strainer



Cell strainers are sterile, easy to use devices for obtaining uniform cell suspension from tissues. It is used as a faster and easier alternative to gauze filtration.

- Strainer made up of nylon mesh with evenly spaced pores and frame made up of polypropylene
- Sterilized by gamma irradiation
- Available in 3 pore sizes - 40µm, 70µm & 100µm
- Designed to fit perfectly into 50ml centrifuge tube
- Extended lip on strainer enables aseptic handling with forceps
- Non-pyrogenic, non-toxic, DNase-RNase free

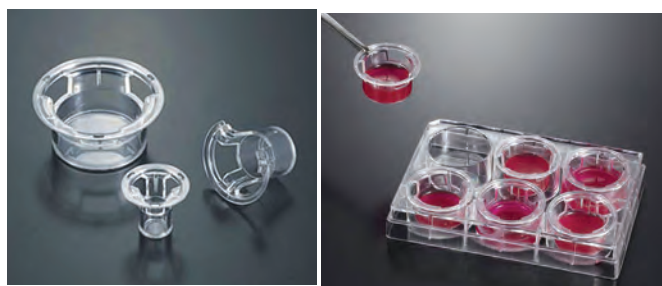
#### Applications

- Ideal for preparation of flow cytometry samples such as
  - Single cell suspensions of blood cells from marrow, pancreas, thymus, tonsil and lymph nodes
  - Stem cells and cancer cells
  - Preparation of specimens for primary cell cultures and immunogens
- Filtering agglutinative proteins produced in inactivation of serum

Code	Pore size (µm)	Sterile
TCP024	40	Yes
TCP025	70	Yes
TCP026	100	Yes

<b>Cell Strainer</b> Pore size 40µm	<b>TCP024-1x50N0</b>	<b>1x50 no</b>	
<b>Cell Strainer</b> Pore size 70µm	<b>TCP025-1x50N0</b>	<b>1x50 no</b>	
<b>Cell Strainer</b> Pore size 100µm	<b>TCP026-1x50N0</b>	<b>1x50 no</b>	

## Sterile Cell Culture Insert



Cell culture inserts closely mimic *in vivo* environment enabling cells to uptake medium from their apical as well as basolateral surface.

**Polycarbonate membrane (PC)** - Thin and semi transparent membrane for microscopic work

Code	Type of Membrane	Membrane Pore Size ( $\mu\text{m}$ )	Membrane Diameter (mm)	Growth Area ( $\text{cm}^2$ )	Working Volume (ml)	Optical Properties
TCP078	PC	0.4	24	4.52	1.5~2.5	White
TCP079	PC	3.0	24	4.52	1.5~2.5	Semi translucent
TCP080	PC	8.0	24	4.52	1.5~2.5	Translucent
TCP081	PC	0.4	6.5	0.33	0.2~0.35	White
TCP082	PC	3.0	6.5	0.33	0.2~0.35	Semi translucent
TCP083	PC	8.0	6.5	0.33	0.2~0.35	Translucent

- Available in two membrane types - **Polycarbonate** membrane (PC) and **Polyester** membrane (PE)
- Frame material is made of **crystal-grade polystyrene**
- Available in three membrane diameters - 6.5mm, 12mm and 24mm
- Available in five pore sizes- 0.1 $\mu\text{m}$ , 0.4 $\mu\text{m}$ , 3.0 $\mu\text{m}$ , 1.0 $\mu\text{m}$  and 8.0 $\mu\text{m}$
- Packaged with multiwell plates : 6 well, 12 well and 24 well
- Distance from membrane to the bottom of the well is 0.8 ~ 1mm
- Nominal membrane thickness of 7 ~ 10 $\mu\text{m}$
- Sterilized by gamma irradiation
- Widely used in experiments of invasion, migration, transportation, drug uptake, epithelial polarization, chemotaxis, co-culture experiment, toxicity study and modeling of *in vivo* barrier

**Polyester membrane (PE)** - Thin, microporous polyester membrane with high degree of chemical resistance and low protein binding

Code	Type of Membrane	Membrane Pore Size ( $\mu\text{m}$ )	Membrane Diameter (mm)	Growth Area ( $\text{cm}^2$ )	Working Volume (ml)	Optical Properties
TCP084	PE	0.4	24	4.52	1.5~2.5	White
TCP085	PE	3.0	24	4.52	1.5~2.5	Semi translucent
TCP086	PE	8.0	24	4.52	1.5~2.5	Semi translucent
TCP087	PE	0.4	6.5	0.33	0.2~0.35	White
TCP088	PE	3.0	6.5	0.33	0.2~0.35	Semi translucent
TCP089	PE	8.0	6.5	0.33	0.2~0.35	Semi translucent

### Product

Code

Packing

Price in ₹

<b>Cell Culture Insert, White</b> [S] Membrane : Polycarbonate Pore size : 0.4 $\mu\text{m}$ Membrane Diameter : 24mm	TCP078-2x6no TCP078-4x6no	2x6 no 4x6 no	
<b>Cell Culture Insert, Semi translucent</b> [S] Membrane : Polycarbonate Pore size : 3.0 $\mu\text{m}$ Membrane Diameter : 24mm	TCP079-2x6no TCP079-4x6no	2x6 no 4x6 no	
<b>Cell Culture Insert, Translucent</b> [S] Membrane : Polycarbonate Pore size : 8.0 $\mu\text{m}$ Membrane Diameter : 24mm	TCP080-2x6no TCP080-4x6no	2x6 no 4x6 no	
<b>Cell Culture Insert, White</b> [S] Membrane : Polycarbonate Pore size : 0.4 $\mu\text{m}$ Membrane Diameter : 6.5mm	TCP081-2x12no TCP081-4x12no	2x12 no 4x12 no	
<b>Cell Culture Insert, Semi translucent</b> [S] Membrane : Polycarbonate Pore size : 3.0 $\mu\text{m}$ Membrane Diameter : 6.5mm	TCP082-2x12no TCP082-4x12no	2x12 no 4x12 no	
<b>Cell Culture Insert, Translucent</b> [S] Membrane : Polycarbonate Pore size : 8.0 $\mu\text{m}$ Membrane Diameter : 6.5mm	TCP083-2x12no TCP083-4x12no	2x12 no 4x12 no	

### Product

Code

Packing

Price in ₹

<b>Cell Culture Insert, White</b> [S] Membrane : Polyester Pore size : 0.4 $\mu\text{m}$ Membrane Diameter : 24mm	TCP084-2x6no TCP084-4x6no	2x6 no 4x6 no	
<b>Cell Culture Insert, Semi translucent</b> [S] Membrane : Polyester Pore size : 3.0 $\mu\text{m}$ Membrane Diameter : 24mm	TCP085-2x6no TCP085-4x6no	2x6 no 4x6 no	
<b>Cell Culture Insert, Semi translucent</b> [S] Membrane : Polyester Pore size : 8.0 $\mu\text{m}$ Membrane Diameter : 24mm	TCP086-2x6no TCP086-4x6no	2x6 no 4x6 no	
<b>Cell Culture Insert, White</b> [S] Membrane : Polyester Pore size : 0.4 $\mu\text{m}$ Membrane Diameter : 6.5mm	TCP087-2x12no TCP087-4x12no	2x12 no 4x12 no	
<b>Cell Culture Insert, Semi translucent</b> [S] Membrane : Polyester Pore size : 3.0 $\mu\text{m}$ Membrane Diameter : 6.5mm	TCP088-2x12no TCP088-4x12no	2x12 no 4x12 no	
<b>Cell Culture Insert, Semi translucent</b> [S] Membrane : Polyester Pore size : 8.0 $\mu\text{m}$ Membrane Diameter : 6.5mm	TCP089-2x12no TCP089-4x12no	2x12 no 4x12 no	



## Sterile Polycarbonate Membrane Inserts

Product	Code	Packing	Price in ₹
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Code	Well	Membrane Pore Size (µm)	Membrane Diameter (mm)	Growth Area (cm <sup>2</sup> )
TCP240	6	0.1	24	4.67
TCP241	6	0.4	24	4.67
TCP242	6	1.0	24	4.67
TCP243	6	3.0	24	4.67
TCP244	6	8.0	24	4.67
TCP245	6	12.0	24	4.67
TCP246	12	0.1	12	1.12
TCP247	12	0.4	12	1.12
TCP248	12	1.0	12	1.12
TCP249	12	3.0	12	1.12
TCP250	12	8.0	12	1.12
TCP251	12	12.0	124	1.12
TCP252	24	0.1	6.5	0.33
TCP253	24	0.4	6.5	0.33
TCP254	24	1.0	6.5	0.33
TCP255	24	3.0	6.5	0.33
TCP256	24	5.0	6.5	0.33
TCP257	24	8.0	6.5	0.33
TCP258	24	12.0	6.5	0.33

### 6 Inserts in a 6 well plate

Cell Culture Insert Semi-transparent	TCP240-2x6NO TCP240-4x6NO	2x6 no 4x6 no
Cell Culture Insert Semi-transparent	TCP241-2x6NO TCP241-4x6NO	2x6 no 4x6 no
Cell Culture Insert Semi-transparent	TCP242-2x6NO TCP242-4x6NO	2x6 no 4x6 no
Cell Culture Insert Transparent	TCP243-2x6NO TCP243-4x6NO	2x6 no 4x6 no
Cell Culture Insert Transparent	TCP244-2x6NO TCP244-4x6NO	2x6 no 4x6 no
Cell Culture Insert Transparent	TCP245-2x6NO TCP245-4x6NO	2x6 no 4x6 no

### 12 Inserts in a 12 well plate

Cell Culture Insert Semi-transparent	TCP246-2x12NO TCP246-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP247-2x12NO TCP247-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP248-2x12NO TCP248-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP249-2x12NO TCP249-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP250-2x12NO TCP250-4x12NO	2x12 no 4x12 no

## Product

Code

Packing

Price in ₹

Cell Culture Insert Transparent	TCP251-2x12NO TCP251-4x12NO	2x12 no 4x12 no
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### 12 Inserts in a 24 well plate

Cell Culture Insert Semi-transparent	TCP252-2x12NO TCP252-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP253-2x12NO TCP253-4x12NO	2x12 no 4x12 no
Cell Culture Insert Semi-transparent	TCP254-2x12NO TCP254-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP255-2x12NO TCP255-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP256-2x12NO TCP256-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP257-2x12NO TCP257-4x12NO	2x12 no 4x12 no
Cell Culture Insert Transparent	TCP258-2x12NO TCP258-4x12NO	2x12 no 4x12 no

## Sterile Polyester Membrane Inserts

Code	Well	Membrane Pore Size (µm)	Membrane Diameter (mm)	Growth Area (cm <sup>2</sup> )
TCP259	6	0.1	24	4.67
TCP260	6	0.4	24	4.67
TCP261	6	1.0	24	4.67
TCP262	6	3.0	24	4.67
TCP263	6	8.0	24	4.67
TCP264	12	0.1	12	1.12
TCP265	12	0.4	12	1.12
TCP273	12	1.0	12	1.12
TCP274	12	3.0	12	1.12
TCP275	12	8.0	12	1.12
TCP276	24	0.1	6.5	0.33
TCP266	24	0.4	6.5	0.33
TCP277	24	1.0	6.5	0.33
TCP267	24	3.0	6.5	0.33
TCP268	24	8.0	6.5	0.33

### 6 Inserts in a 6 well plate

Cell Culture Insert Transparent	TCP259-2x6NO TCP259-4x6NO	2x6 no 4x6 no
Cell Culture Insert Semi-transparent	TCP260-2x6NO TCP260-4x6NO	2x6 no 4x6 no
Cell Culture Insert Semi-transparent	TCP261-2x6NO TCP261-4x6NO	2x6 no 4x6 no

Product	Code	Packing	Price in ₹
Cell Culture Insert Transparent	TCP262-2x6NO TCP262-4x6NO	2x6 no 4x6 no	
Cell Culture Insert Transparent	TCP263-2x6NO TCP263-4x6NO	2x6 no 4x6 no	

**12 Inserts in a 12 well plate**

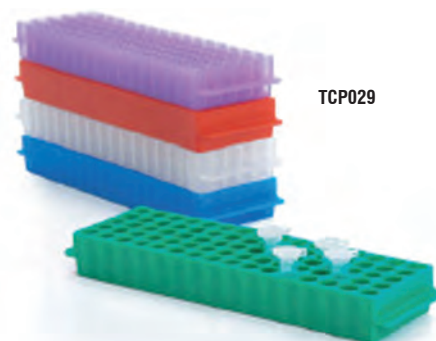
Cell Culture Insert Transparent	TCP264-2x12NO TCP264-4x12NO	2x12 no 4x12 no	
Cell Culture Insert Semi-transparent	TCP265-2x12NO TCP265-4x12NO	2x12 no 4x12 no	
Cell Culture Insert Semi-transparent	TCP273-2x12NO TCP273-4x12NO	2x12 no 4x12 no	
Cell Culture Insert Transparent	TCP274-2x12NO TCP274-4x12NO	2x12 no 4x12 no	
Cell Culture Insert Transparent	TCP275-2x12NO TCP275-4x12NO	2x12 no 4x12 no	

**12 Inserts in a 24 well plate**

Cell Culture Insert Transparent	TCP276-2x12NO TCP276-4x12NO	2x12 no 4x12 no	
Cell Culture Insert Semi-transparent	TCP266-2x12NO TCP266-4x12NO	2x12 no 4x12 no	
Cell Culture Insert Semi-transparent	TCP277-2x12NO TCP277-4x12NO	2x12 no 4x12 no	
Cell Culture Insert Transparent	TCP267-2x12NO TCP267-4x12NO	2x12 no 4x12 no	
Cell Culture Insert Transparent	TCP268-2x12NO TCP268-4x12NO	2x12 no 4x12 no	

**Product** Code Packing Price in ₹

## Microtube Rack



- Made of **Polypropylene**.
- Autoclavable.
- For 1.5ml microtubes.
- 5x16 holes per rack.
- Available in 5 colours - White, Blue, Green, Violet and Red.

<b>Microtube Rack</b> 5x16 holes per rack	TCP029-1x5NO TCP029-3x5NO	1x5 no 3x5 no	
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# HiQ™ Series of Premium Grade Labware

Product

Code

Packing

Price in ₹

## Sterile Tissue Culture Flasks, Premium Grade



- Manufactured from optically clear **virgin polystyrene**.
- Sterilized by gamma irradiation.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- Surface treated for adherent cells.
- Broad base increases stability.
- Available with 2 different cap styles:
  - a) Vented cap - Vented polyethylene caps with 0.22µm hydrophobic filter to allow gas exchange and minimize the risk of contamination.
  - b) Non vented cap - Non-vented polyethylene caps for use of flasks in closed systems. Can also be used in open systems by keeping one thread loose.

Code	Surface Type	Growth area (cm <sup>2</sup> )	Cap style	Recommended medium volume (ml)
TCP162	Treated	25	Non vented	5.0 - 7.0
TCP163	Treated	25	Vented	5.0 - 7.0
TCP164	Treated	75	Non vented	15.0 - 22.0
TCP165	Treated	75	Vented	15.0 - 22.0
TCP184	Treated	162	Non vented	32.0 - 48.0
TCP185	Treated	162	Vented	32.0 - 48.0

### For Adherent Cells Surface Treated Flasks with Vented Caps

<b>Tissue Culture Flask, Surface Treated</b> Vented Cap, Growth area 25.0cm <sup>2</sup> .	<b>TCP163-5x10NO</b> <b>TCP163-10x10NO</b> <b>TCP163-20x10NO</b>	<b>5x10 no</b> <b>10x10 no</b> <b>20x10 no</b>
<b>Tissue Culture Flask, Surface Treated</b> Vented Cap, Growth area 75.0cm <sup>2</sup> .	<b>TCP165-5x5NO</b> <b>TCP165-10x5NO</b>	<b>5x5 no</b> <b>10x5 no</b>
<b>Tissue Culture Flask, Surface Treated</b> Vented Cap, Growth area 162.0cm <sup>2</sup> .	<b>TCP185-5x5NO</b> <b>TCP185-10x5NO</b>	<b>5x5 no</b> <b>10x5 no</b>

Product

Code

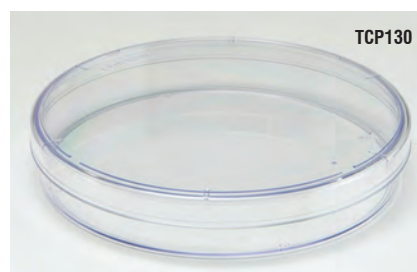
Packing

Price in ₹

### Surface Treated Flasks with Non vented Caps

<b>Tissue Culture Flask, Surface Treated</b> Non vented cap, Growth area: 25.0cm <sup>2</sup> .	<b>TCP162-5x20NO</b> <b>TCP162-10x20NO</b>	<b>5x20 no</b> <b>10x20 no</b>
<b>Tissue Culture Flask, Surface Treated</b> Non vented cap, Growth area 75.0cm <sup>2</sup> .	<b>TCP164-5x5NO</b> <b>TCP164-10x5NO</b>	<b>5x5 no</b> <b>10x5 no</b>
<b>Tissue Culture Flask, Surface Treated</b> Non vented cap, Growth area 162.0cm <sup>2</sup> .	<b>TCP184-5x5NO</b> <b>TCP184-10x5NO</b>	<b>5x5 no</b> <b>10x5 no</b>

## Sterile Tissue Culture Dishes, Premium Grade



- Manufactured from optically clear **virgin polystyrene**.
- Sterilized by gamma irradiation.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- Available in 4 diameters - 35mm, 60mm, 100mm and 150mm.
- Surface treated for adherent cells.
- Stackable.
- Lid allows gas exchange.

Code	Surface type	Dimensions (OD X H) mm	Actual growth surface diameter (mm)	Surface area (cm <sup>2</sup> )	Working volume (ml)	Average cell yield (cells/cm <sup>2</sup> )*	Sterile
TCP128	Treated	35 X 10	34.4	9	1.8 - 2.7	9.0 x 10 <sup>5</sup>	Yes
TCP129	Treated	60 X 15	52.1	21	4.2 - 6.3	2.1 x 10 <sup>6</sup>	Yes
TCP130	Treated	100 X 20	83.8	55	11.0 - 16.5	5.5 x 10 <sup>6</sup>	Yes
TCP131	Treated	150 X 25	139.1	152	30.4 - 45.6	1.52 x 10 <sup>7</sup>	Yes

\* Assumes an average yield of 1 x 10<sup>5</sup> cells/cm<sup>2</sup> from a 100% confluent culture. Yields may vary depending on cell type.

### For Adherent Cells Surface Treated Dishes

<b>Cell Culture Dish, Surface treated</b> 35 x 10mm, Working volume 1.8 - 2.7ml, Growth area 9.0cm <sup>2</sup> .	<b>TCP128-10x20NO</b> <b>TCP128-25x20NO</b>	<b>10x20 no</b> <b>25x20 no</b>
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Product	Code	Packing	Price in ₹
<b>Cell Culture Dish, Surface treated</b> 60 x 15mm, Working volume 4.2 - 6.3ml, Growth area 21.0cm <sup>2</sup> .	TCP129-10x20NO TCP129-25x20NO	10x20 no 25x20 no	
<b>Cell Culture Dish, Surface treated</b> 100 x 20mm, Working volume 11.0 - 16.5ml, Growth area 55.0cm <sup>2</sup> .	TCP130-10x20NO TCP130-25x20NO	10x20 no 25x20 no	
<b>Cell Culture Dish, Surface treated</b> 150 x 25mm, Working volume 30.4 - 45.6ml, Growth area 150.0cm <sup>2</sup> .	TCP131-6x5NO TCP131-12x5NO	6x5 no 12x5 no	

Product	Code	Packing	Price in ₹
<b>Tissue Culture Plates, Surface treated</b> 12 wells, Growth area 3.8cm <sup>2</sup>	TCP174-10x1NO TCP174-50x1NO TCP174-100x1NO	10x1 no 50x1 no 100x1 no	
<b>Tissue Culture Plates, Surface treated</b> 24 wells, Growth area 1.9cm <sup>2</sup>	TCP175-10x1NO TCP175-50x1NO TCP175-100x1NO	10x1 no 50x1 no 100x1 no	
<b>Tissue Culture Plates, Surface treated</b> 96 wells, Growth area 0.32cm <sup>2</sup>	TCP177-10x1NO TCP177-50x1NO TCP177-100x1NO	10x1 no 50x1 no 100x1 no	

## Sterile Multi Well Plates, Premium Grade



- Made up of ultra clear 100% **virgin polystyrene**.
- Sterilized by gamma irradiation.
- Non-pyrogenic, non-toxic, DNase-RNase free
- Individual alphanumeric codes for well identification.
- Non-reversible lids with condensation rings to prevent contamination.
- Surface treated plates for adherent cells.
- Lid allows gas exchange.

Multiwell plates - Well dimensions, expected cell yields and recommended medium volumes						
Code	Cell culture plate	Surface type	Approx growth area (cm <sup>2</sup> )	Average cell yield*	Total well volume (ml)	Working well volume (ml)
TCP173	6 well	Surface treated	9.5	9.5 x 10 <sup>5</sup>	16.8	1.9 - 2.9
TCP174	12 well	Surface treated	3.8	3.8 x 10 <sup>5</sup>	6.9	0.76 - 1.14
TCP175	24 well	Surface treated	1.9	1.9 x 10 <sup>5</sup>	3.4	0.38 - 0.57
TCP177	96 well	Surface treated	0.32	3.2 x 10 <sup>4</sup>	0.36	0.1 - 0.2

\* Assumes an average yield of 1 x 10<sup>5</sup> cells/cm<sup>2</sup> from a 100% confluent culture. Yields may vary depending on cell type.

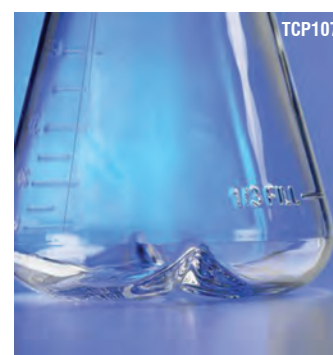
### For Adherent Cells Surface Treated Plates

<b>Tissue Culture Plates, Surface treated</b> 6 wells, Growth area 9.5cm <sup>2</sup>	TCP173-10x1NO TCP173-50x1NO TCP173-100x1NO	10x1 no 50x1 no 100x1 no	
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## Sterile Erlenmeyer Flasks, Premium Grade



Plain bottom



Baffled bottom

- Made from optically clear **polycarbonate**. USP Class VI material provides excellent optical clarity and mechanical strength.
- Sterilized by gamma irradiation.
- Individually packed.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- Ideal for shaker culture applications, liquid handling and storage.
- Available in 2 bottom options - Plain bottom and Baffled bottom.
- Bottom baffles interrupt the circular flow to create a turbulent flow. This leads to increase in gas exchange surface of liquid thereby increasing the oxygen intake.
- Unique baffle design with a molded - in "1/3 fill" line for convenience.
- Two cap styles:
  - a) Vented caps - Contain 0.2µm hydrophobic membrane sealed to the cap providing consistent sterile gas exchange while minimizing the risk of contamination.
  - b) Non vented caps - For use in closed systems. Can be used in open systems by keeping one thread loose.
- Unbreakable.
- Molded-in graduations for accuracy.

Product	Code	Packing	Price in ₹
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Erlenmeyer flasks				
Code	Total volume (ml)	Working volume (ml)	Cap style	Bottom type
TCP112	125	21.3 - 50.0ml	Non-vented	Plain
TCP113	125	21.3 - 50.0ml	Vented	Plain
TCP097	125	21.3 - 50.0ml	Vented	Baffled
TCP098	125	21.3 - 50.0ml	Non-vented	Baffled
TCP157	250	62.5 - 100.0ml	Non-vented	Plain
TCP114	250	62.5 - 100.0ml	Vented	Plain
TCP099	250	62.5 - 100.0ml	Vented	Baffled
TCP100	250	62.5 - 100.0ml	Non-vented	Baffled
TCP158	500	125.0 - 200.0ml	Non-vented	Plain
TCP115	500	125.0 - 200.0ml	Vented	Plain
TCP101	500	124.0 - 200.0ml	Vented	Baffled
TCP102	500	124.0 - 200.0ml	Non-vented	Baffled
TCP159	1000	250.0 - 400.0ml	Non-vented	Plain
TCP116	1000	250.0 - 400.0ml	Vented	Plain
TCP107	1000	250.0 - 400.0ml	Vented	Baffled
TCP108	1000	250.0 - 400.0ml	Non-vented	Baffled

**Plain Bottom Erlenmeyer Flasks with Vented Caps**

<b>Erlenmeyer Flasks, Plain bottom</b> Vented cap, Volume 125ml	TCP113-10x1NO TCP113-50x1NO	10x1 no 50x1 no
<b>Erlenmeyer Flasks, Plain bottom</b> Vented cap, Volume 250ml	TCP114-10x1NO TCP114-50x1NO	10x1 no 50x1 no
<b>Erlenmeyer Flasks, Plain bottom</b> Vented cap, Volume 500ml	TCP115-5x1NO TCP115-25x1NO	5x1 no 25x1 no
<b>Erlenmeyer Flasks, Plain bottom</b> Vented cap, Volume 1000ml	TCP116-5x1NO TCP116-25x1NO	5x1 no 25x1 no

**Plain Bottom Erlenmeyer Flasks with Non vented Caps**

<b>Erlenmeyer Flasks, Plain bottom</b> Non vented cap, Volume 125ml	TCP112-10x1NO TCP112-50x1NO	10x1 no 50x1 no
<b>Erlenmeyer Flasks, Plain bottom</b> Non vented cap, Volume 250ml	TCP157-10x1NO TCP157-50x1NO	10x1 no 50x1 no
<b>Erlenmeyer Flasks, Plain bottom</b> Non vented cap, Volume 500ml	TCP158-5x1NO TCP158-25x1NO	5x1 no 25x1 no
<b>Erlenmeyer Flasks, Plain bottom</b> Non vented cap, Volume 1000ml	TCP159-5x1NO TCP159-25x1NO	5x1 no 25x1 no

**Baffled Bottom Erlenmeyer Flasks with Vented Caps**

<b>Erlenmeyer Flasks, Baffled bottom</b> Vented cap, Volume 125ml	TCP097-10x1NO TCP097-50x1NO	10x1 no 50x1 no
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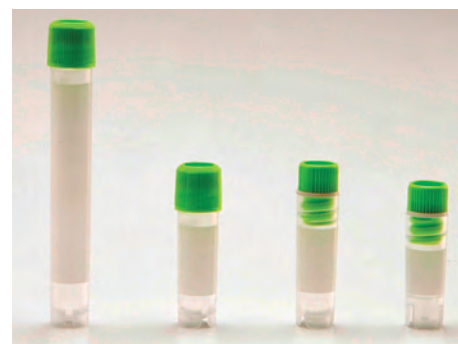
Product	Code	Packing	Price in ₹
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<b>Erlenmeyer Flasks, Baffled bottom</b> Vented cap, Volume 250ml	TCP099-10x1NO TCP099-50x1NO	10x1 no 50x1 no
<b>Erlenmeyer Flasks, Baffled bottom</b> Vented cap, Volume 500ml	TCP101-5x1NO TCP101-25x1NO	5x1 no 25x1 no
<b>Erlenmeyer Flasks, Baffled bottom</b> Vented cap, Volume 1000ml	TCP107-5x1NO TCP107-25x1NO	5x1 no 25x1 no

**Baffled Bottom Erlenmeyer Flasks with Non vented Caps**

<b>Erlenmeyer Flasks, Baffled bottom</b> Non vented cap, Volume 125ml	TCP098-10x1NO TCP098-50x1NO	10x1 no 50x1 no
<b>Erlenmeyer Flasks, Baffled bottom</b> Non vented cap, Volume 250ml	TCP100-10x1NO TCP100-50x1NO	10x1 no 50x1 no
<b>Erlenmeyer Flasks, Baffled bottom</b> Non vented cap, Volume 500ml	TCP102-5x1NO TCP102-25x1NO	5x1 no 25x1 no
<b>Erlenmeyer Flasks, Baffled bottom</b> Non vented cap, Volume 1000ml	TCP108-5x1NO TCP108-25x1NO	5x1 no 25x1 no

**Sterile Cryovials, Premium Grade**



- Manufactured from high grade **polypropylene** to withstand temperatures down to -196°C.
- Sterilized by gamma irradiation.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- Available with 2 cap styles.
  - a) Internally threaded.
  - b) Externally threaded.
- Available in 3 volumes - 1.2ml, 2.0ml and 5.0ml.
- Self standing.
- Graduations & large marking spot for writing on every vial.

**Warning**

Do not store these cryovials in liquid phase of liquid nitrogen. Store only in the vapour phase.

Product	Code	Packing	Price in ₹
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Code	Cap style	Total volume (ml)
TCP117	Internal	1.2
TCP118	External	2.0
TCP119	Internal	2.0
TCP120	External	5.0

<b>Cryovials, Internally Threaded</b> Volume: 1.2ml, Self standing	<b>TCP117-1x125NO</b>	<b>1x125 no</b>
<b>Cryovials, Externally Threaded</b> Volume: 2.0ml, Self standing	<b>TCP118-1x125NO</b>	<b>1x125 no</b>
<b>Cryovials, Internally Threaded</b> Volume: 2.0ml, Self standing	<b>TCP119-1x125NO</b>	<b>1x125 no</b>
<b>Cryovials, Externally Threaded</b> Volume: 5.0ml, Self standing	<b>TCP120-1x125NO</b>	<b>1x125 no</b>

## Sterile Centrifuge Tubes, Premium Grade



- Tubes made up of **polypropylene** and caps made up of **high density polyethylene**.
- Sterilized by gamma irradiation.
- Black printed graduations and large white marking spot for writing.
- Available in two capacities - 15ml and 50ml.
- Non-pyrogenic, non-toxic, DNase - RNase free.
- Two packing options available:
  - a) In racks.
  - b) In resealable ziplock sleeves.

Code	Volume	Packing	Self standing	Maximum RCF (x g)	Graduation range	Graduation interval	Dimensions (OD x L)mm	Cap diameter (mm)
TCP103	15	Rack	No	8000	1.5 - 14.5ml	0.5ml	17.5 x 118.5	22.9
TCP104	50	Rack	No	10000	5.0 - 50.0ml	2.5ml	29.1 x 114.4	35.2
TCP105	15	Sleeves	No	8000	1.5 - 14.5ml	0.5ml	17.5 x 118.5	22.9
TCP106	50	Sleeves	No	10000	5.0 - 50.0ml	2.5ml	29.1 x 114.4	35.2

Product	Code	Packing	Price in ₹
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## Centrifuge Tubes, 15ml

<b>Centrifuge Tubes, 15ml</b> Sterile, Polypropylene, Non pyrogenic, DNase / RNase free, Packed in rack	<b>TCP103-1x50NO</b> <b>TCP103-5x50NO</b> <b>TCP103-10x50NO</b>	<b>1x50 no</b> <b>5x50 no</b> <b>10x50 no</b>
<b>Centrifuge Tubes, 15ml</b> Sterile, Polypropylene, Non pyrogenic, DNase / RNase free, Packed in sleeves	<b>TCP105-1x50NO</b> <b>TCP105-5x50NO</b> <b>TCP105-10x50NO</b>	<b>1x50 no</b> <b>5x50 no</b> <b>10x50 no</b>

## Centrifuge Tubes, 50ml

<b>Centrifuge Tubes, 50ml</b> Sterile, Polypropylene, Non pyrogenic, DNase / RNase free, Packed in rack	<b>TCP104-2x25NO</b> <b>TCP104-10x25NO</b> <b>TCP104-20x25NO</b>	<b>2x25 no</b> <b>10x25 no</b> <b>20x25 no</b>
<b>Centrifuge Tubes, 50ml</b> Sterile, Polypropylene, Non pyrogenic, DNase / RNase free, Packed in sleeves	<b>TCP106-1x50NO</b> <b>TCP106-5x50NO</b> <b>TCP106-10x50NO</b>	<b>1x50 no</b> <b>5x50 no</b> <b>10x50 no</b>

## Sterile Cell Scrapers and lifter, Premium Grade



- Cell scrapers are useful for mechanical harvesting of cells from flasks.
- Sterilized by gamma irradiation.
- Pivoting blades of cell scrapers make precise scraping of cells from vessel possible.
- Cell lifters are useful for mechanical harvesting of cells especially stem cells from dishes.
- Cell lifters have non-pivoting fixed blade.
- Blade design minimizes cell damage and ensures even contact with growth surface while maintaining high viability upon harvesting.
- Non-pyrogenic, non-toxic, DNase-RNase free.
- **Polystyrene** handle.

Code	Description	Blade length (cm)	Handle length (cm)
TCP110	Scraper	1.8	25.0
TCP111	Scraper	3.0	39.0
TCP096	Lifter	1.9	18.0

<b>Cell Scraper</b> Blade width 1.8cm, Handle length 25cm	<b>TCP110-100x1NO</b>	<b>100x1 no</b>
<b>Cell Scraper</b> Blade width 3.0cm, Handle length 39cm	<b>TCP111-100x1NO</b>	<b>100x1 no</b>
<b>Cell Lifter</b> Blade width 1.9cm, Handle length 18cm	<b>TCP096-50x1NO</b>	<b>50x1 no</b>

Product	Code	Packing	Price in ₹
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## Sterile Cell Culture Inserts, Premium Grade



### Packaging information

Diameter	Packing	2x12 no	4x12 no
6.5mm	12 inserts in one 24 well plate	Two 24 well plates containing 12 inserts per plate	Four 24 well plates containing 12 inserts per plate

- Sterilized by gamma irradiation.
- Available in **Polycarbonate** membrane.
- Enables polarized cells to feed basolaterally thereby allowing metabolic activities in a more natural fashion.

Properties	Polycarbonate
Optical properties	Translucent, should be stained for cell visibility
Cell visibility	Poor
Tissue culture treated	Yes
Membrane thickness	10µm
Matrix / ECM coatable	Yes
Collagen treated	No
Chemically compatible with	Histological fixatives such as methanol and formaldehyde, other alcohols, amines, esters, ketones, oils, halogenated hydrocarbons, DMSO
Chemically incompatible with	Strong acids and strong bases
Diameter (mm)	6.5
Pore sizes (µm)	0.4

- Designed to produce a cell culture environment that closely resembles the *in vivo* state.
- Self-centered hanging design prevents medium wicking between the insert and outer well.
- Allows the access to the lower compartment through the windows in the insert wall.
- Suspended design allows for undamaged co-culturing of cells in the lower compartment.
- Sterilized by gamma irradiation.

### Applications of inserts

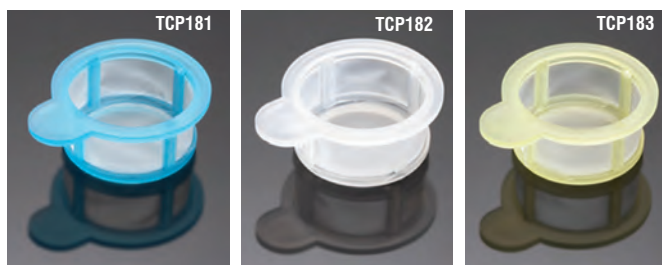
- Chemotaxis assays to study wound repair, cell differentiation, embryonic development and tumor metastasis.
- Co-culture of cells to evaluate secreted soluble factors mediating changes in cell behaviour in the absence of cell-cell contact.
- Drug transport of small molecules evaluated using epithelial or endothelial monolayers cultured on permeable supports.

Product	Code	Packing	Price in ₹
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Growth areas and recommended medium volumes for membrane inserts				
Plate type	Insert diameter (mm)	Insert membrane growth area (cm <sup>2</sup> )	Volume per well (ml)	Volume per insert (ml) (Added inside the insert)
6-well	24	4.67	2.6	1.5
24-well	6.5	0.33	0.6	0.1

<b>Cell Culture Inserts, Translucent</b> Membrane: Polycarbonate, Membrane Thickness: 10µm, Membrane diameter: 6.5mm, Pore size: 0.4µm, Growth area: 0.33cm <sup>2</sup>	<b>TCP150-4x12N0</b>	<b>4x12 no</b>
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## Sterile Cell Strainers, Premium Grade



Cell strainer is a sterile, easy to use device for obtaining uniform cell suspension from tissues. It can be used as a faster and easier alternative to gauze filtration.

- Strainer made up of **nylon mesh** with evenly spaced pores and frame made up of **polypropylene**.
- Sterilized by gamma irradiation.
- Available in 3 pore sizes - 40µm, 70µm and 100µm.
- Designed to fit perfectly into 50ml conical bottom centrifuge tube.
- Extended lip on strainer enables aseptic handling with forceps.
- Enables polarized cells to feed basolaterally thereby allowing metabolic activities in a more natural fashion.
- Non-pyrogenic, non-toxic, DNase-RNase free.

### Applications

- Preparation of flow cytometry samples such as single cell suspensions of blood cells from marrow, pancreas, thymus, tonsil and lymph nodes, stem cells, tissue derived cells and cancer cells.
- Preparation of specimens for primary cell cultures and immunogens.
- Preparation of freezing stocks.
- Filtering agglutinative proteins produced in inactivation of serum.

<b>Cell Strainer</b> Pore size: 40µm	<b>TCP181-50x1N0</b>	<b>50x1 no</b>
<b>Cell Strainer</b> Pore size: 70µm	<b>TCP182-50x1N0</b>	<b>50x1 no</b>
<b>Cell Strainer</b> Pore size: 100µm	<b>TCP183-50x1N0</b>	<b>50x1 no</b>



HiMedia's product offering includes a broad range of filters, membranes and related filtration devices to meet all types of needs of customers for their application related to filtration

## FILTRATION SOLUTIONS

Product	Prefix	Page
<b>Sterile Filtration Aids</b>		
Filtration Membranes	SF	529-533
Syringe Driven Filters	SF	534-537
Vacuum Driven Filters	SF	538-539
<b>Non-Sterile Filtration Aids</b>		
Filtration Membranes	SF	540-548
Blotting Membranes	SF	549-550
Syringe Driven Filters	SF	551-552
Vent Filters	SF	553

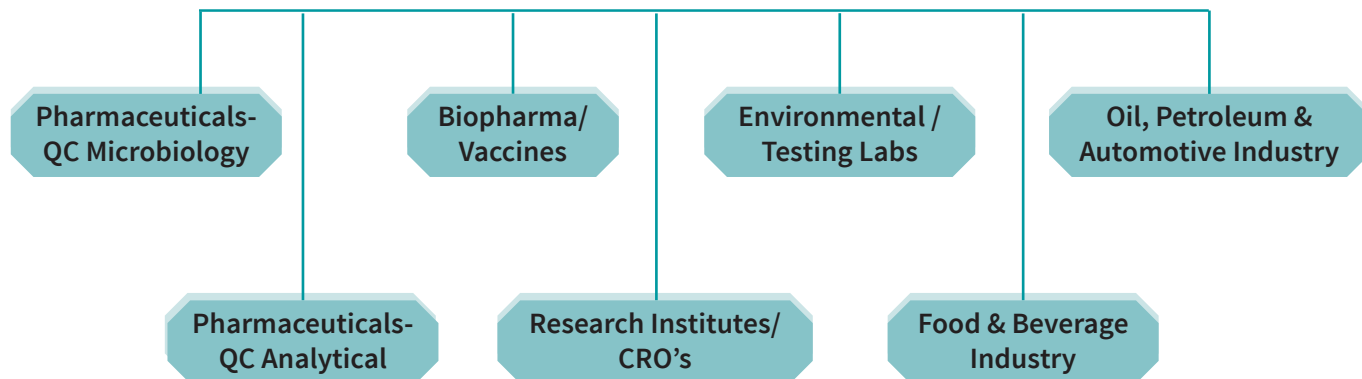
Product	Prefix	Page
<b>Filtration Systems</b>		
Filter holders	SF	554-556
SS Sterility Test Manifold System	SF	555
Filtration Funnels	SF	557-558
<b>Filtration Assembly</b>		
Filtration Accessories	SF	560



# Filtration Solutions



# Filtration Solutions



## Filtration Scale

Filter Sterilization		Sample Preparation / Clarification / Particle Removal					Prefiltration
Small Bacteria, Mycoplasma, Colloids >0.1	Particle, Bacteria <3 μ	HPLC Columns >3 μ particles	Particles, Yeast Cells	Particles, Yeast Cells	Particles, Yeast Cells & Platelets	Large Particles, Rubber Grit Cells	Glass Prefilter Highly particulate matter
0.1 m	0.2 m	0.45 m	0.65 m	0.8 m	1.2 m	5 m	Glass Fibre

## Industrial Applications

### • Analytical Sample Preparation

Clean samples help to get quality result and quality results helps your decision.

Sample Preparation is the first step of analysis (HPLC, GC, etc..)

### • Sterility Testing

Sterility testing is an important quality control procedure in pharmaceutical, food and beverage industry. Membrane filtration is the method of choice for testing of pharmaceuticals that contain antimicrobial agents since it permits removal of contaminants from the product for viability testing.

### • Cell Culture Laboratories

The nutrient media which supports the growth of cells in culture also provides optimal growth nutrients to contaminants when introduced unknowingly. This can lead to loss of precious cultures of weeks or even months. While following aseptic techniques is the primary solution to contamination, sterilizing liquids can also help in achieving this goal. As autoclaving destroys some of the critical cell culture media components and biomolecules, sterilization by filtration is the preferred choice of method for researchers all over the world.

### • Brewing Industry

Membrane filtration is used in brewing industry primarily to increase the keeping qualities of product during storage at room temperature. It eliminates the need for heat pasteurization of the final product.

### • Clarification and stabilization of wine

Membrane filtration is used for removal of bacteria, yeasts and potential spoilage organisms from wine. Filtration also increases product clarity.

### • Microscopy

Particles from gas or liquids can be trapped on filter surface and used to study and quantify particulates by microscopic techniques.

### • Viability counting

If density of organisms in the process fluid is very low, it is not possible to count them by microscopy. In such case,

the material to be tested is passed through the filter and the organisms are retained on the surface of the filter. Filter is then placed upon a culture medium and viable microorganisms retained on filter grow into colonies.

### • Cleaning gases by filtration

For a wide variety of purposes in the laboratory and industry it is necessary to have air or gases that have been scrubbed clean of particulates. Membrane filters of appropriate pore size are widely used for gas filtration.

## Pollution monitoring

### • Microbiological examination of water

The membrane filter technique is legally recognized for checking the quality of drinking water and surface waters that might come in contact with humans.

### • Virus detection in water

For detection of viruses from large volumes of water, membrane with extremely small pore sizes are used.

### • Air filtration and air pollution analysis

Air sampling is a routinely performed practice to analyze microbial load in air. Personnel air sampler is widely used for personnel monitoring, especially where workers are at high risk of exposure to hazardous particulate materials such as asbestos, cotton, coal, cement, sand etc.

## Biomedical and analytical uses

- ▶ Chemotaxis and leukocyte migration
- ▶ Cell growth synchronization
- ▶ Cells size fractionation
- ▶ Harvesting and concentrating microorganisms
- ▶ HPLC sample preparation

## Fermentation Technology

Fermentation requires continuous addition of considerable quantities of sterile air, gases, acids, bases, antifoam and nutrient feeds. These additions are performed through the inlet ports fitted with sterile membranes. In addition to the inlet ports, the outlet ports meant for venting exhaust gases and sampling ports meant for removal of analytical samples are also equipped with sterile membrane filters.

# Sterile Filtration Aids

Filtration Membranes

Syringe Driven Filters

Vacuum Driven Filters

## Filtration Membranes

Membrane Type (sterile)	Diameter	Pore Size	
		0.22 $\mu\text{m}$	0.45 $\mu\text{m}$
Cellulose Acetate (CA)	47mm	SF180D	SF180E
Cellulose Nitrate (CN)	47mm	-	SF95H
Gridded Cellulose Nitrate (CN)	47mm	SF97B	SF97D
Cellulose Nitrate (CN) with hydrophobic edge	47mm	-	SF96B
Glass Fibre (GF)	47mm	SF188D (0.3 $\mu\text{m}$ )	SF188E
Mixed Cellulose Esters (MCE)	47mm	SF177D	SF177E
Nylon-66	47mm	SF103I	SF103C
Polyvinylidene Fluoride (PVDF)	47mm	SF182D	SF182E
Polyether Sulfone (PES)	47mm	SF185D	SF185E

Product

Code

Packing

Price in  
₹

**Cellulose-Acetate Membranes: 47mm, Sterile**



- Cellulose acetate membrane exhibit low protein binding capacity.
- They are hydrophilic making them suitable for aqueous and alcoholic media.
- Shows improved solvent resistance and high thermal stability with very low adsorption characteristics.
- Ideally suited for general filtration and biological/clinical analysis requiring maximum protein recovery.

### Applications

- Filtration of Aqueous Solutions (e.g. media, buffer)
- Air/Gas Filtration.

<b>Cellulose Acetate Membrane</b> Diameter: 47mm, Pore Size: 0.22 $\mu\text{m}$ , *Individually packed	<b>SF180D-100x1NO</b>	<b>100x1 no</b>
<b>Cellulose Acetate Membrane</b> Diameter: 47mm, Pore Size: 0.45 $\mu\text{m}$ , *Individually packed	<b>SF180E-100x1NO</b>	<b>100x1 no</b>

Product

Code

Packing

Price in  
₹

**Cellulose Nitrate Membranes: 47mm, Sterile**

- Cellulose nitrate material assures effective retention with high flow rates
- Fine, uniform pore structure and high, non-specific adsorption

### Applications

- Large pore size ( $\geq 1.2\mu\text{m}$ )- Cell retention, diagnostic kits, particle retention, clear filtration
- Small pore size ( $< 1.2\mu\text{m}$ ) - Sterile filtration of reagents and liquids

### Specifications of Standard Cellulose Nitrate Membranes

Pore size ( $\mu\text{m}$ )	0.45
Diameter (mm)	47mm
Water Flow Rate (ml/min/cm <sup>2</sup> ) at $\Delta P=10\text{psi}$ , 20°C	46
Maximum operating pressure	3 Kg/cm <sup>2</sup>

**Cellulose Nitrate Membrane, Sterile**

**SF95H-100x1NO**

**100x1 no**

Diameter: 47mm,  
Pore size: 0.45 $\mu\text{m}$   
Individually packed

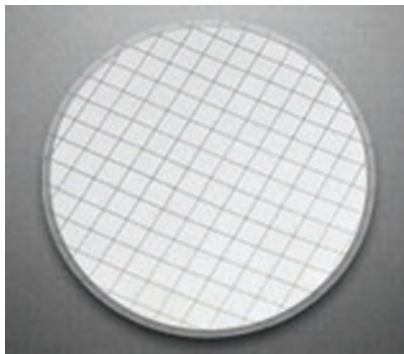
Product

Code

Packing

Price in  
₹

**Gridded Cellulose Nitrate Membranes: 47mm, Sterile**



**Ensure optimum retention of microorganisms**

- Used for microbial testing of water, beverages and food samples
- Grids make counting easier
- Excellent for retention of yeasts and molds
- Microscopic observation of particle/microorganisms
- Enables easy and reliable counting and identification of colonies and particles.
- Defined article retention, consistent recovery rates for microorganisms

Specifications of Gridded cellulose nitrate membranes			
Pore size (µm)	0.22	0.45	0.8
Diameter (mm)	47mm		
Water Flow Rate (ml/min/cm <sup>2</sup> ) at ΔP=10psi, 20°C	20	46	259
Maximum operating pressure	3 Kg/cm <sup>2</sup>		

Pore sizes (µm)	Diameters 47mm	
	Individually packed, sterile	
0.22	SF97B	
0.45	SF97D	
0.80	SF97F	

<b>Gridded Cellulose Nitrate Membrane, Sterile</b> Diameter: 47mm, Pore size: 0.22µm, Individually packed	<b>SF97B-100x1NO</b>	<b>100x1 no</b>
<b>Gridded Cellulose Nitrate Membrane, Sterile</b> Diameter: 47mm, Pore size: 0.45µm, Individually packed	<b>SF97D-100x1NO</b>	<b>100x1 no</b>
<b>Gridded Cellulose Nitrate Membrane, Sterile</b> Diameter: 47mm, Pore size: 0.8µm, Individually packed	<b>SF97F-100x1NO</b>	<b>100x1 no</b>

Product

Code

Packing

Price in  
₹

**Cellulose Nitrate Membranes with hydrophobic edge: 47mm, Sterile**

- Used for microbial testing of samples that contain inhibitors such as antibiotics, drugs, disinfectants, etc
- 6mm hydrophobic edge prevents diffusion of inhibitor into hydrophilic portion of membrane
- Complete removal of inhibitor can be achieved during flushing
- Improved sensitivity and reliability due to unaffected microbial growth

Specifications of Cellulose nitrate membranes with hydrophobic edge	
Pore size (µm)	0.45
Diameter (mm)	47mm
Water Flow Rate (ml/min/cm <sup>2</sup> ) at ΔP=10psi, 20°C	20
Maximum operating pressure	3 Kg/cm <sup>2</sup>

<b>Cellulose Nitrate Membrane with hydrophobic edge, Sterile</b> Diameter: 47mm, Pore size: 0.45µm, Individually packed	<b>SF96B-100X1NO</b>	<b>100x1 no</b>
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**Glass Fibre Membranes: 47mm, Sterile**

- Glass fiber filter membranes exhibit low pressure drop.
- They are an excellent choice as a pre-filter for fluids that have a high viscosity and/or a high level of particulates.
- Target applications include solutions where there is an elevated level of suspended or un-dissolved particles.

**Applications**

- Analysis of mold, fungi and yeast, stabilization of fermented product.
- Clarification and pre-filtration.
- Filter sterilization.
- Reduction of mycoplasma, ultracleaning.

<b>Glass Fiber Membrane</b> Diameter: 47mm, Pore size: 0.3 µm, *Individually Packed	<b>SF188D-100x1NO</b>	<b>100x1 no</b>
<b>Glass Fiber Membrane</b> Diameter: 47mm, Pore size: 0.45 µm, *Individually Packed	<b>SF188E-100x1NO</b>	<b>100x1 no</b>

Product	Code	Packing	Price in ₹
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**MCE Membranes: 47mm, Sterile**

**Wide solvent compatibility**

- MCE membranes are naturally low in metal background.
- They are compatible with dilute bases and acids and aromatic and aliphatic hydrocarbons.
- These hydrophilic filters are available in various pore sizes and are autoclavable.
- High recovery rates, but its high porosity provides superior flowrates as well.
- High protein binding, uniform pore structure with consistent thickness.
- Comes pre-sterilized in individual packing.

**Applications**

- Air monitoring
- Clarification
- Particle analysis
- Bacteriological analysis
- Filter Sterilizing

<b>MCE membrane</b> Diameter: 47mm, Pore size: 0.22 μm, *Individually Packed	<b>SF177D-100x1NO</b>	<b>100x1 no</b>
<b>MCE membrane</b> Diameter: 47mm, Pore size: 0.45 μm, *Individually Packed	<b>SF177E-100x1NO</b>	<b>100x1 no</b>

**Nylon-66 membranes: 47mm, Sterile**

**Ensures high reliability & accuracy**

- Types:
  - 1) Standard : Double layered, hydrophilic and biologically inert
  - 2) HPLC Grade : Hydrophilic, biologically inert, used for HPLC sample preparation
- Available in 6 different diameters each with 3 pore sizes
- Wide chemical compatibility
- Autoclavable

Specifications of Nylon-66 Membranes				
Pore size (μm)	0.22		0.45	
Diameter (mm)	47mm			
Water Flow Rate (ml/min/cm <sup>2</sup> ) at ΔP=10psi, 20°C	14.5		38.5	
Bubble point	52psi	3.65 kg/cm <sup>2</sup>	33psi	2.32 kg/cm <sup>2</sup>
Maximum operating pressure	3 Kg/cm <sup>2</sup>			

<b>Nylon-66 Membrane</b> Diameter: 47mm, Pore size: 0.22 μm, *Individually Packed	<b>SF103I-100x1NO</b>	<b>100x1 no</b>
<b>Nylon-66 Membrane, Sterile</b> Diameter: 47mm, Pore size: 0.45μm, Individually packed	<b>SF103C-100x1NO</b>	<b>100x1 no</b>

Product	Code	Packing	Price in ₹
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**PVDF Membranes: 47mm, Sterile**

- Polyvinylidene Fluoride (PVDF) Membranes are their extremely low protein binding capacity.
- They are available in multiple pore sizes.
- PVDF membrane filters are mechanically strong, exhibit superior Chemical resistance & high thermal stability.

**Applications:**

- Sterilizing filtration
- Filtration of protein-containing solutions
- Mycoplasma reduction
- Filtration of gases
- Venting

<b>PVDF Hydrophilic Membrane</b> Diameter: 47mm, Pore size: 0.22 μm, *Individually Packed	<b>SF182D-100x1NO</b>	<b>100x1 no</b>
<b>PVDF Hydrophilic Membrane</b> Diameter: 47mm, Pore size: 0.45 μm, *Individually Packed	<b>SF182E-100x1NO</b>	<b>100x1 no</b>

**PES Membranes: 47mm, Sterile**

- PES filter membranes are hydrophilic having low protein binding.
- These filter membranes have the highest filtration capacity.
- Wide range of pore sizes available.
- They are ideal for tissue culture media sterilization, fluid applications and general filtration.

**Applications:**

- Sterile filtration
- Pharmaceutical filtration
- Bacterial enumeration

<b>PES Membrane</b> Diameter: 47mm, Pore size: 0.22 μm, *Individually Packed	<b>SF185D-100x1NO</b>	<b>100x1 no</b>
<b>PES Membrane</b> Diameter: 47mm, Pore size: 0.45 μm, *Individually Packed	<b>SF185E-100x1NO</b>	<b>100x1 no</b>

## Sterile Syringe-driven Filters

- Available with 5 types of membranes: MCE, Nylon-66, PVDF, PES and PTFE
- Faster flow rates
- Low hold-up volume

Syringe-driven Filters (sterile)	Diameter (mm)	Pore Size ( $\mu\text{m}$ )				
		with prefilter		without prefilter		
		0.22	0.45	0.1	0.22	0.45
Cellulose Acetate (CA)	25	SF172	SF173	–	–	–
	30	–	–	–	SF150	SF151
Mixed Cellulose Esters (MCE)	13	–	–	–	SF1	SF3
	25	SF174	SF175	–	SF2	SF4
	30	–	–	–	SF137	SF138
	13	–	–	–	–	SF5
Nylon-66	25	SF164	SF165	–	SF127	SF6
	30	–	–	–	SF139	SF140
Polyvinylidene Fluoride (PVDF)	13	–	–	SF7	SF9	SF11
	25	SF166	SF167	SF8	SF10	SF12
	30	–	–	–	SF141	SF142
Polyether Sulfone (PES)	13	–	–	–	SF13	SF151
	25	SF170	SF171	–	SF14	SF16
	30	–	–	–	SF143	SF144
Polytetrafluoroethylene (PTFE)	13	–	–	–	SF17	SF19
	25	SF168	SF169	–	SF18	SF20
	30	–	–	–	SF145	SF146

Product	Code	Packing	Price in ₹
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### Cellulose Acetate Syringe-driven Filters

Diameter (mm)	Pore size ( $\mu\text{m}$ )			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
25	SF172	–	SF173	–
30	–	SF150	–	SF151

<b>Syringe-driven Filters</b> Cellulose Acetate hydrophilic membrane, Pore size 0.22 $\mu\text{m}$ , 25mm diameter <b>with prefilter</b> , Sterile	<b>SF172-50NO</b> <b>SF172-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> Cellulose Acetate hydrophilic membrane, Pore size 0.45 $\mu\text{m}$ , 25mm diameter <b>with prefilter</b> , Sterile	<b>SF173-50NO</b> <b>SF173-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> Cellulose Acetate hydrophilic membrane, Pore size 0.22 $\mu\text{m}$ , 30mm diameter without prefilter, Sterile	<b>SF150-50NO</b> <b>SF150-100NO</b>	<b>50 no</b> <b>100 no</b>

Product	Code	Packing	Price in ₹
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<b>Syringe-driven Filters</b> Cellulose Acetate hydrophilic membrane, Pore size 0.45 $\mu\text{m}$ , 30mm diameter without prefilter, Sterile	<b>SF151-50NO</b> <b>SF151-100NO</b>	<b>50 no</b> <b>100 no</b>
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### MCE Syringe-driven Filters



- Filter sterilization of liquids used in tissue culture
- Contamination analysis
- Particle monitoring and particle analysis
- Air monitoring
- Particle monitoring, particle removal, dairy microbiology, retention of yeast, molds and algae
- QC analysis of fluid holding, particle collection and analysis

Product	Code	Packing	Price in ₹
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Diameter (mm)	Pore size (µm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	SF1	–	SF3
25	SF174	SF2	SF175	SF4
30	–	SF137	–	SF138

<b>Syringe-driven Filters</b> MCE hydrophilic membrane, pore size 0.22 µm, 13 mm diameter, without prefilter, Sterile	<b>SF1-50NO</b> <b>SF1-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> MCE hydrophilic membrane, pore size 0.45 µm, 13 mm diameter, without prefilter, Sterile	<b>SF3-50NO</b> <b>SF3-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> MCE hydrophilic membrane, pore size 0.22 µm, 25 mm diameter, without prefilter, Sterile	<b>SF2-50NO</b> <b>SF2-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> MCE hydrophilic membrane, Pore size 0.22 µm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF174-50NO</b> <b>SF174-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> MCE hydrophilic membrane, pore size 0.45 µm, 25 mm diameter, without prefilter, Sterile	<b>SF4-50NO</b> <b>SF4-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> MCE, Pore size 0.45 µm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF175-50NO</b> <b>SF175-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> MCE hydrophilic membrane, pore size 0.22 µm, 30 mm diameter, without prefilter, Sterile	<b>SF137-50NO</b> <b>SF137-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> MCE hydrophilic membrane, pore size 0.45 µm, 30 mm diameter, without prefilter, Sterile	<b>SF138-50NO</b> <b>SF138-100NO</b>	<b>50 no</b> <b>100 no</b>

Product	Code	Packing	Price in ₹
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### Nylon Syringe-driven Filters

- Incorporates hydrophilic Nylon-66 membrane
- Wide chemical compatibility

#### Applications:

- Chemical filtration
- Beverage filtration
- Sample preparation in HPLC and GC

Diameter (mm)	Pore size (µm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	–	–	SF5
25	SF164	SF127	SF165	SF6
30	–	SF139	–	SF140

<b>Syringe-driven Filters</b> Nylon-66 hydrophilic membrane, pore size 0.45 µm, 13 mm diameter, without prefilter, Sterile	<b>SF5-50NO</b> <b>SF5-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> Nylon-66, hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, without prefilter, Sterile	<b>SF127-50NO</b> <b>SF127-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> Nylon-66 hydrophilic membrane, Pore size 0.22 µm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF164-50NO</b> <b>SF164-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> Nylon-66 hydrophilic membrane, pore size 0.45 µm, 25 mm diameter, without prefilter, Sterile	<b>SF6-50NO</b> <b>SF6-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> Nylon-66 hydrophilic membrane, Pore size 0.45 µm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF165-50NO</b> <b>SF165-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> Nylon-66 hydrophilic membrane, pore size 0.22 µm, 30 mm diameter, without prefilter, Sterile	<b>SF139-50NO</b> <b>SF139-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> Nylon-66 hydrophilic membrane, pore size 0.45 µm, 30 mm diameter, without prefilter, Sterile	<b>SF140-50NO</b> <b>SF140-100NO</b>	<b>50 no</b> <b>100 no</b>



Product	Code	Packing	Price in ₹
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**PVDF Syringe-driven Filters**

- Incorporates hydrophilic PVDF membrane
- Wide chemical compatibility
- Low-protein binding capacity

**Applications:**

- Sterilization of tissue culture liquids
- Gas filtration
- Vapor filtration

Diameter (mm)	Pore size (µm)					
	0.1		0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	SF7	–	SF9	–	SF11
25	–	SF8	SF166	SF10	SF167	SF12
30	–	–	–	SF141	–	SF142

<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, pore size 0.10 µm, 13 mm diameter, without prefilter, Sterile	<b>SF7-50NO</b> <b>SF7-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, pore size 0.22 µm, 13 mm diameter, without prefilter, Sterile	<b>SF9-50NO</b> <b>SF9-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, pore size 0.45 µm, 13 mm diameter, without prefilter, Sterile	<b>SF11-50NO</b> <b>SF11-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, pore size 0.10 µm, 25 mm diameter, without prefilter, Sterile	<b>SF8-50NO</b> <b>SF8-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, Pore size 0.22 µm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF166-50NO</b> <b>SF166-100NO</b>	<b>1x50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, pore size 0.22 µm, 25 mm diameter, without prefilter, Sterile	<b>SF10-50NO</b> <b>SF10-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, Pore size 0.45 µm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF167-50NO</b> <b>SF167-100NO</b>	<b>1x50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, pore size 0.45 µm, 25 mm diameter, without prefilter, Sterile	<b>SF12-50NO</b> <b>SF12-100NO</b>	<b>50 no</b> <b>100 no</b>

Product	Code	Packing	Price in ₹
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**Syringe-driven Filters**

**PVDF** hydrophilic membrane,  
pore size 0.22 µm,  
30 mm diameter, without prefilter,  
Sterile

**SF141-50NO**  
**SF141-100NO**

**50 no**  
**100 no**

**Syringe-driven Filters**

**PVDF** hydrophilic membrane,  
pore size 0.45 µm,  
30 mm diameter, without prefilter,  
Sterile

**SF142-50NO**  
**SF142-100NO**

**50 no**  
**100 no**

**PES Syringe-driven Filters**

- Incorporates hydrophilic PES membrane
- Low protein binding
- High product recovery

**Applications:**

- Sterilization of tissue culture liquids
- Sterilization and clarification of protein solutions, serum, virus suspensions and other aqueous solutions

Diameter (mm)	Pore size (µm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	SF13	–	SF15
25	SF170	SF14	SF171	SF16
30	–	SF143	–	SF144

<b>Syringe-driven Filters</b> PES hydrophilic membrane, pore size 0.22 µm, 13 mm diameter, without prefilter, Sterile	<b>SF13-50NO</b> <b>SF13-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PES hydrophilic membrane, pore size 0.45 µm, 13 mm diameter, without prefilter, Sterile	<b>SF15-50NO</b> <b>SF15-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PES hydrophilic membrane, pore size 0.22 µm, 25 mm diameter, without prefilter, Sterile	<b>SF14-50NO</b> <b>SF14-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PES hydrophilic membrane, Pore size 0.22 µm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF170-50NO</b> <b>SF170-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PES hydrophilic membrane, pore size 0.45 µm, 25 mm diameter, without prefilter, Sterile	<b>SF16-50NO</b> <b>SF16-100NO</b>	<b>50 no</b> <b>100 no</b>
<b>Syringe-driven Filters</b> PES hydrophilic membrane, pore size 0.45 µm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF171-50NO</b> <b>SF171-100NO</b>	<b>50 no</b> <b>100 no</b>

Product	Code	Packing	Price in ₹
<b>Syringe-driven Filters</b> PES hydrophilic membrane, pore size 0.22 μm, 30 mm diameter, without prefilter, Sterile	<b>SF143-50NO</b> <b>SF143-2x50NO</b>	<b>50 no</b> <b>2x50 no</b>	
<b>Syringe-driven Filters</b> PES hydrophilic membrane, pore size 0.45 μm, 30 mm diameter, without prefilter, Sterile	<b>SF144-50NO</b> <b>SF144-2x50NO</b>	<b>50 no</b> <b>2x50 no</b>	

### PTFE Syringe-driven Filters

- Incorporates hydrophobic PTFE membrane
- High solvent resistance and high protein binding

#### Applications:

- Alkali solvent filtration
- Strong acid solvent filtration
- Filtration of organic solvent with strong chemical causticity

Diameter (mm)	Pore size (μm)			
	0.22		0.45	
	with Prefilter	without Prefilter	with Prefilter	without Prefilter
13	–	SF17	–	SF19
25	SF168	SF18	SF169	SF20
30	–	SF145	–	SF146

<b>Syringe-driven Filters</b> PTFE hydrophobic membrane, pore size 0.22 μm, 13 mm diameter, without prefilter, Sterile	<b>SF17-50NO</b> <b>SF17-100NO</b>	<b>50 no</b> <b>100 no</b>	
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Product	Code	Packing	Price in ₹
<b>Syringe-driven Filters</b> PTFE hydrophobic membrane, pore size 0.22 μm, 25 mm diameter, without prefilter, Sterile	<b>SF18-50NO</b> <b>SF18-100NO</b>	<b>50 no</b> <b>100 no</b>	
<b>Syringe-driven Filters</b> PTFE hydrophobic membrane, Pore size 0.22 μm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF168-50NO</b> <b>SF168-100NO</b>	<b>50 no</b> <b>100 no</b>	
<b>Syringe-driven Filters</b> PTFE hydrophobic membrane, pore size 0.22 μm, 30 mm diameter, without prefilter, Sterile	<b>SF145-50NO</b> <b>SF145-100NO</b>	<b>50 no</b> <b>100 no</b>	
<b>Syringe-driven Filters</b> PTFE hydrophobic membrane, pore size 0.45 μm, 13 mm diameter, without prefilter, Sterile	<b>SF19-50NO</b> <b>SF19-100NO</b>	<b>50 no</b> <b>100 no</b>	
<b>Syringe-driven Filters</b> PTFE hydrophobic membrane, pore size 0.45 μm, 25 mm diameter, without prefilter, Sterile	<b>SF20-50NO</b> <b>SF20-100NO</b>	<b>50 no</b> <b>100 no</b>	
<b>Syringe-driven Filters</b> PTFE, hydrophobic membrane, Pore size 0.45 μm, 25mm diameter <b>with prefilter</b> , Sterile	<b>SF169-50NO</b> <b>SF169-100NO</b>	<b>50 no</b> <b>100 no</b>	
<b>Syringe-driven Filters</b> PTFE hydrophobic membrane, pore size 0.45 μm, 30 mm diameter, without prefilter, Sterile	<b>SF146-50NO</b> <b>SF146-100NO</b>	<b>50 no</b> <b>100 no</b>	

## Sterile Vacuum-driven Filter

Designed for single use



- Vacuum Filtration Systems come in three volume capacities 150ml, 250ml and 500ml with three membrane pore sizes 0.10µm, 0.22µm, 0.45µm
- Funnel is manufactured from optically clear polystyrene and graduated
- Receiver bottle has ergonomically designed easy grip sidewalls and graduation marks
- Receiver bottle and filter adaptor are manufactured from 100% virgin polypropylene
- The filter adaptor is preprinted with filter type and pore size
- Hose connector is designed to accept multiple hose diameter and features easy grip collar to simplify tightening/ loosening and adjustments
- Cap for receiver bottle is sterile and individually wrapped
- Each individual unit is lot-numbered for easy identification and tracking
- Individually wrapped sterile, non-pyrogenic
- For single use only. Cannot be autoclaved

	Funnel Capacity		
	150ml	200ml	500ml
Filter Diameter (mm)	50mm	50mm	50mm
Process volume	150ml	200ml	500ml
Hold-up Volume after purge	≈3mL	≈3mL	≈3mL
Maximum Operating Temperature	45	45	45
Fitting Outlet (Thread)	45mm	45mm	45mm
Full Unit Overall height	156mm	200mm	300mm
Housing Material	ABS	ABS	ABS

Code number	Membrane material	Filter pore size (µm)	Funnel capacity
VD10	PVDF	0.10	150ml
VD13	PVDF		
VD19	PES	0.22	
VD1	MCE		
VD16	PVDF	0.45	
VD22	PES		
VD4	MCE		
VD7	Nylon		
VD11	PVDF	0.10	250ml
VD14	PVDF		
VD20	PES	0.22	
VD2	MCE		
VD17	PVDF	0.45	
VD23	PES		
VD5	MCE		
VD8	Nylon		
VD12	PVDF	0.10	500ml
VD15	PVDF		
VD21	PES	0.22	
VD3	MCE		
VD18	PVDF	0.45	
VD24	PES		
VD6	MCE		
VD9	Nylon		

Product	Code	Packing	Price in ₹
<b>Vacuum-driven Filters</b> MCE hydrophilic membrane, pore size 0.22 µm, 250 ml volume.	VD2-1NO	1 no	
	VD2-4NO	4 no	
	VD2-12NO	12 no	
<b>Vacuum-driven Filters</b> MCE hydrophilic membrane, pore size 0.22 µm, 500 ml volume.	VD3-1NO	1 no	
	VD3-4NO	4 no	
	VD3-12NO	12 no	
<b>Vacuum-driven Filters</b> MCE hydrophilic membrane, pore size 0.45 µm, 150 ml volume.	VD4-1NO	1 no	
	VD4-4NO	4 no	
	VD4-12NO	12 no	
<b>Vacuum-driven Filters</b> MCE hydrophilic membrane, pore size 0.45 µm, 250 ml volume.	VD5-1NO	1 no	
	VD5-4NO	4 no	
	VD5-12NO	12 no	
<b>Vacuum-driven Filters</b> MCE hydrophilic membrane, pore size 0.45 µm, 500 ml volume.	VD6-1NO	1 no	
	VD6-4NO	4 no	
	VD6-12NO	12 no	

Product	Code	Packing	Price in ₹
<b>MCE Vacuum-driven Filters</b>			
<b>Vacuum-driven Filters</b> MCE hydrophilic membrane, pore size 0.22 µm, 150 ml volume.	VD1-1NO	1 no	
	VD1-4NO	4 no	
	VD1-12NO	12 no	

Product	Code	Packing	Price in ₹
<b>Nylon Vacuum-driven Filters</b>			
<b>Vacuum-driven Filters</b> Nylon hydrophilic membrane, pore size 0.45 μm, 150 ml volume.	VD7-1NO	1 no	
	VD7-4NO	4 no	
	VD7-12NO	12 no	
<b>Vacuum-driven Filters</b> Nylon hydrophilic membrane, pore size 0.45 μm, 250 ml volume.	VD8-1NO	1 no	
	VD8-4NO	4 no	
	VD8-12NO	12 no	
<b>Vacuum-driven Filters</b> Nylon hydrophilic membrane, pore size 0.45 μm, 500 ml volume.	VD9-1NO	1 no	
	VD9-4NO	4 no	
	VD9-12NO	12 no	
<b>PVDF Vacuum-driven Filters</b>			
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.10 μm, 150 ml volume.	VD10-1NO	1 no	
	VD10-4NO	4 no	
	VD10-12NO	12 no	
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.10 μm, 250 ml volume.	VD11-1NO	1 no	
	VD11-4NO	4 no	
	VD11-12NO	12 no	
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.10 μm, 500 ml volume.	VD12-1NO	1 no	
	VD12-4NO	4 no	
	VD12-12NO	12 no	
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.22 μm, 150 ml volume.	VD13-1NO	1 no	
	VD13-4NO	4 no	
	VD13-12NO	12 no	
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.22 μm, 250 ml volume.	VD14-1NO	1 no	
	VD14-4NO	4 no	
	VD14-12NO	12 no	

Product	Code	Packing	Price in ₹
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.22 μm, 500 ml volume.	VD15-1NO	1 no	
	VD15-4NO	4 no	
	VD15-12NO	12 no	
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.45 μm, 150 ml volume.	VD16-1NO	1 no	
	VD16-4NO	4 no	
	VD16-12NO	12 no	
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.45 μm, 250 ml volume.	VD17-1NO	1 no	
	VD17-4NO	4 no	
	VD17-12NO	12 no	
<b>Vacuum-driven Filters</b> PVDF hydrophilic membrane, pore size 0.45 μm, 500 ml volume.	VD18-1NO	1 no	
	VD18-4NO	4 no	
	VD18-12NO	12 no	
<b>PES Vacuum-driven Filters</b>			
<b>Vacuum-driven Filters</b> PES hydrophilic membrane, pore size 0.22 μm, 150 ml volume.	VD19-1NO	1 no	
	VD19-4NO	4 no	
	VD19-12NO	12 no	
<b>Vacuum-driven Filters</b> PES hydrophilic membrane, pore size 0.22 μm, 250 ml volume.	VD20-1NO	1 no	
	VD20-4NO	4 no	
	VD20-12NO	12 no	
<b>Vacuum-driven Filters</b> PES hydrophilic membrane, pore size 0.22 μm, 500 ml volume.	VD21-1NO	1 no	
	VD21-4NO	4 no	
	VD21-12NO	12 no	
<b>Vacuum-driven Filters</b> PES hydrophilic membrane, pore size 0.22 μm, 1000 ml volume.	VD25-1NO	1 no	
	VD25-4NO	4 no	
	VD25-12NO	12 no	
<b>Vacuum-driven Filters</b> PES hydrophilic membrane, pore size 0.45 μm, 150 ml volume.	VD22-1NO	1 no	
	VD22-4NO	4 no	
	VD22-12NO	12 no	
<b>Vacuum-driven Filters</b> PES hydrophilic membrane, pore size 0.45 μm, 250 ml volume.	VD23-1NO	1 no	
	VD23-4NO	4 no	
	VD23-12NO	12 no	
<b>Vacuum-driven Filters</b> PES hydrophilic membrane, pore size 0.45 μm, 500 ml volume.	VD24-1NO	1 no	
	VD24-4NO	4 no	
	VD24-12NO	12 no	

# Non-Sterile Filtration Aids

Filtration Membranes

Syringe Driven Filters

Vent Filters

## Filtration Membranes

Membrane Type (non-sterile)	Diameter	Pore Size (µm)						
		0.22	0.45	0.8	1.2	3	5	10
Cellulose Acetate (CA)	25mm	–	SF179A	–	–	–	–	–
	47mm	SF180A	SF180B	–	–	SF180C	–	–
	142mm	SF148A	SF148B	–	SF148C	–	–	SF148D
	293mm	SF149A	SF149B	–	SF149C	–	–	–
Cellulose Nitrate (CN)	13mm	SF93A	SF93B	SF93C	SF93D	SF93E	SF93F	SF93G
	25mm	SF94A	SF94B	SF94C	SF94D	SF94E	SF94F	SF94G
	47mm	SF95A	SF95B	SF95C	SF95D	SF95E	SF95F	SF95G
	90mm	SF98A	SF98B	SF98C	SF98D	SF98E	SF98F	SF98G
	142mm	SF99A	SF99B	SF99C	SF99D	SF99E	SF99F	SF99G
	293mm	SF100A	SF100B	SF100C	SF100D	SF100E	SF100F	SF100G
Gridded Cellulose Nitrate (CN)	47mm	SF97A	SF97C	SF97E	–	–	–	–
Cellulose Nitrate (CN) with hydrophobic edge	47mm	–	SF96A	–	–	–	–	–
Mixed Cellulose Esters (MCE)	25mm	–	SF176A	–	–	–	–	–
	47mm	SF177A	SF177B	–	–	SF177C	–	–
	142mm	SF178A	SF178B	–	–	–	–	SF178C
Nylon-66	13mm	SF101A	SF101B	SF101C	–	–	–	–
	25mm	SF102A	SF102B	SF102C	–	–	–	–
	47mm	SF103A	SF103B	SF103D	–	SF103H	SF103J	–
	90mm	SF104A	SF104B	SF104C	–	–	–	–
	142mm	SF105A	SF105B	SF105C	–	–	–	SF105D
	293mm	SF106A	SF106B	SF106C	–	–	–	–
HPLC Grade Nylon-66	13mm	SF101D	SF101E	SF101F	–	–	–	–
	25mm	SF102D	SF102E	SF102F	–	–	–	–
	47mm	SF103E	SF103F	SF103G	–	–	–	–
Polyvinylidene Fluoride (PVDF)	25mm	–	SF181A	–	–	–	–	–
	47mm	SF182A	SF182B	–	–	SF182C	–	–
	142mm	SF183A	SF183B	–	–	–	–	SF183C
Polyether Sulfone (PES)	25mm	–	SF184A	–	–	–	–	–
	47mm	SF185A	SF185B	–	–	SF185C	–	–
	142mm	SF186A	SF186B	–	–	–	–	SF186C
PTFE	293mm	SF224	SF214	–	–	–	–	–
	142mm	SF225	SF221	–	–	–	–	–
	90mm	SF226	SF222	–	–	–	–	–
	47mm	SF227	SF223	–	–	–	–	–

### Cellulose Acetate Membranes

#### Standard Cellulose Acetate Membranes

- Cellulose acetate membrane exhibit low protein binding capacity.
- They are hydrophilic making them suitable for aqueous and alcoholic media.
- Shows improved solvent resistance and high thermal stability with very low adsorption characteristics.
- Ideally suited for general filtration and biological/clinical analysis requiring maximum protein recovery.

#### Applications

- Filtration of Aqueous Solutions.
- Air/Gas Filtration
- 3 µm, 5 µm - Particle monitoring (Automotive machines)

Pore sizes (µm)	Diameters			
	25mm	47mm	142mm	293mm
0.22	–	SF180A	SF148A	SF149A
0.45	SF179A	SF180B	SF148B	SF149B
1.20	–	–	SF148C	SF149C
3.00	–	SF180C	–	–
10.00	–	–	SF148D	–

Product	Code	Packing	Price in ₹
<b>Cellulose Acetate Membranes: Non-sterile</b>			
<b>Cellulose Acetate Membrane</b> Diameter: 25mm, Pore Size: 0.45 μm	SF179A-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 47mm, Pore Size: 0.22 μm	SF180A-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 47mm, Pore Size: 0.45 μm	SF180B-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 47mm, Pore Size: 3 μm	SF180C-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 142mm, Pore Size: 0.22 μm	SF148A-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 142mm, Pore Size: 0.45 μm	SF148B-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 142mm, Pore Size: 1.2 μm	SF148C-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 142mm, Pore Size: 10 μm	SF148D-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 293mm, Pore Size: 0.2 μm	SF149A-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 293mm, Pore Size: 0.45 μm	SF149B-1x100NO	1x100 no	
<b>Cellulose Acetate Membrane</b> Diameter: 293mm, Pore Size: 1.2 μm	SF149C-1x100NO	1x100 no	

Product	Code	Packing	Price in ₹
<b>Cellulose Nitrate Membranes</b>			

**Standard Cellulose Nitrate Membranes**



- Available in 6 different diameters with 7 different pore sizes
- Cellulose nitrate material assures effective retention with high flow rates
- Fine, uniform pore structure and high, non-specific adsorption
- Can be sterilized by autoclaving as well as dry heat

**Applications**

- Large pore size ( $\geq 1.2\mu\text{m}$ ) - Cell retention, diagnostic kits, particle retention, clear filtration
- Small pore size ( $< 1.2\mu\text{m}$ ) - Sterile filtration of reagents and liquids
- Sterility testing (bioburden load)
- Water testing

Specifications of Standard Cellulose Nitrate Membranes					
Pore size (μm)	0.22	0.45	0.8	1.2	5
Diameter (mm)	13mm, 25mm, 47mm, 90mm, 142mm, 293mm				
Water Flow Rate (ml/min/cm <sup>2</sup> ) at ΔP=10psi, 20°C	20	46	259	364	780
Maximum operating pressure	3 Kg/cm <sup>2</sup>				

Pore sizes (μm)	Diameters					
	13mm	25mm	47mm	90mm	142mm	293mm
0.22	SF93A	SF94A	SF95A	SF98A	SF99A	SF100A
0.45	SF93B	SF94B	SF95B	SF98B	SF99B	SF100B
0.80	SF93C	SF94C	SF95C	SF98C	SF99C	SF100C
1.20	SF93D	SF94D	SF95D	SF98D	SF99D	SF100D
3.00	SF93E	SF94E	SF95E	SF98E	SF99E	SF100E
5.00	SF93F	SF94F	SF95F	SF98F	SF99F	SF100F
8.00	SF93G	SF94G	SF95G	SF98G	SF99G	SF100G

<b>Cellulose Nitrate Membranes: Diameter 13mm, Non-sterile</b>			
<b>Cellulose Nitrate Membrane</b> Diameter: 13mm, Pore size: 0.22μm	SF93A-1x100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 13mm, Pore size: 0.45μm	SF93B-1x100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 13mm, Pore size: 0.8μm	SF93C-1x100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 13mm, Pore size: 1.2μm	SF93D-1x100NO	1x100 no	

Product	Code	Packing	Price in ₹
<b>Cellulose Nitrate Membrane</b> Diameter: 13mm, Pore size: 3.0µm	SF93E-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 13mm, Pore size: 5.0µm	SF93F-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 13mm, Pore size: 8.0µm	SF93G-1X100NO	1x100 no	

**Cellulose Nitrate Membranes: Diameter 25mm, Non-sterile**

<b>Cellulose Nitrate Membrane</b> Diameter: 25mm, Pore size: 0.22µm	SF94A-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 25mm, Pore size: 0.45µm	SF94B-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 25mm, Pore size: 0.8µm	SF94C-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 25mm, Pore size: 1.2µm	SF94D-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 25mm, Pore size: 3.0µm	SF94E-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 25mm, Pore size: 5.0µm	SF94F-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 25mm, Pore size: 8.0µm	SF94G-1X100NO	1x100 no	

**Cellulose Nitrate Membranes: Diameter 47mm , Non-sterile**

<b>Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 0.22µm	SF95A-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 0.45µm	SF95B-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 0.8µm	SF95C-1x100NO	1x100 no	

Product	Code	Packing	Price in ₹
<b>Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 1.2µm	SF95D-1x100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 3.0µm	SF95E-1x100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 5.0µm	SF95F-1x100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 8.0µm	SF95G-1x100NO	1x100 no	

**Cellulose Nitrate Membranes: Diameter 90mm , Non-sterile**

<b>Cellulose Nitrate Membrane</b> Diameter: 90mm, Pore size: 0.22µm	SF98A-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 90mm, Pore size: 0.45µm	SF98B-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 90mm, Pore size: 0.8µm	SF98C-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 90mm, Pore size: 1.2µm	SF98D-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 90mm, Pore size: 3.0µm	SF98E-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 90mm, Pore size: 5.0µm	SF98F-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 90mm, Pore size: 8.0µm	SF98G-1X100NO	1x100 no	

**Cellulose Nitrate Membranes: Diameter 142mm , Non-sterile**

<b>Cellulose Nitrate Membrane</b> Diameter: 142mm, Pore size: 0.22µm	SF99A-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 142mm, Pore size: 0.45µm	SF99B-1X100NO	1x100 no	

Product	Code	Packing	Price in ₹
<b>Cellulose Nitrate Membrane</b> Diameter: 142mm, Pore size: 0.8µm	SF99C-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 142mm, Pore size: 1.2µm	SF99D-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 142mm, Pore size: 3.0µm	SF99E-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 142mm, Pore size: 5.0µm	SF99F-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 142mm, Pore size: 8.0µm	SF99G-1X100NO	1x100 no	

**Cellulose Nitrate Membranes: Diameter 293mm, Non-sterile**

<b>Cellulose Nitrate Membrane</b> Diameter: 293mm, Pore size: 0.22µm	SF100A-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 293mm, Pore size: 0.45µm	SF100B-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 293mm, Pore size: 0.8µm	SF100C-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 293mm, Pore size: 1.2µm	SF100D-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 293mm, Pore size: 3.0µm	SF100E-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 293mm, Pore size: 5.0µm	SF100F-1X100NO	1x100 no	
<b>Cellulose Nitrate Membrane</b> Diameter: 293mm, Pore size: 8.0µm	SF100G-1X100NO	1x100 no	

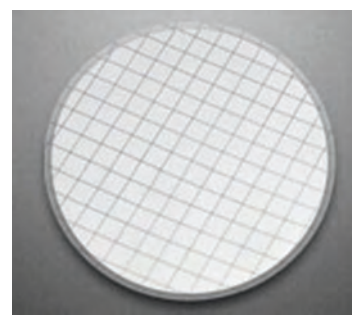
**Gridded Cellulose Nitrate Membranes: 47mm, Non-sterile**

- Used for microbial testing of water, beverages and food samples
- Grids make counting easier
- Excellent for retention of yeasts and molds

Specifications of Gridded cellulose nitrate membranes			
Pore size (µm)	0.22	0.45	0.8
Diameter (mm)	47mm		
Water Flow Rate (ml/min/cm <sup>2</sup> ) at ΔP=10psi, 20°C	20	46	259
Maximum operating pressure	3 Kg/cm <sup>2</sup>		
Pore sizes (µm)	Diameters 47mm		
	Bulk packed		
0.22	SF97A		
0.45	SF97C		
0.80	SF97E		

<b>Gridded Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 0.22µm	SF97A-1x100NO	1x100 no	
<b>Gridded Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 0.45µm	SF97C-1x100NO	1x100 no	
<b>Gridded Cellulose Nitrate Membrane</b> Diameter: 47mm, Pore size: 0.8µm	SF97E-1x100NO	1x100 no	

**Cellulose Nitrate Membranes with hydrophobic edge: 47mm, Non-sterile**



- Used for microbial testing of samples that contain inhibitors such as antibiotics, drugs, disinfectants, etc
- 6mm hydrophobic edge prevents diffusion of inhibitor into hydrophilic portion of membrane
- Complete removal of inhibitor can be achieved during flushing
- Improved sensitivity and reliability due to unaffected microbial growth



Product	Code	Packing	Price in ₹
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Specifications of Cellulose nitrate membranes with hydrophobic edge			
Pore size (µm)	0.45		
Diameter (mm)	47mm		
Water Flow Rate (ml/min/cm <sup>2</sup> ) at ΔP = 10psi, 20°C	20		
Maximum operating pressure	3 Kg/cm <sup>2</sup>		

<b>Cellulose Nitrate Membrane with hydrophobic edge</b>	<b>SF96A-1X100NO</b>	<b>1x100 no</b>	
Diameter: 47mm, Pore size: 0.45µm			

**MCE membranes**

- MCE membranes are naturally low in metal background.
- They are compatible with dilute bases and acids and aromatic and aliphatic hydrocarbons.
- These hydrophilic filters are available in various pore sizes and are autoclavable.

**Applications**

- Air monitoring
- Clarification
- Particle analysis
- Bacteriological analysis
- Filter Sterilizing

<b>MCE membrane</b> Diameter: 25mm, Pore size: 0.45 µm,	<b>SF176A-1x100NO</b>	<b>1x100 no</b>	
<b>MCE membrane</b> Diameter: 47mm, Pore size: 0.22 µm,	<b>SF177A-1x100NO</b>	<b>1x100 no</b>	
<b>MCE membrane</b> Diameter: 47mm, Pore size: 0.45 µm,	<b>SF177B-1x100NO</b>	<b>1x100 no</b>	
<b>MCE membrane</b> Diameter: 47mm, Pore size: 3.00 µm,	<b>SF177C-1x100NO</b>	<b>1x100 no</b>	
<b>MCE membrane</b> Diameter: 142mm, Pore size: 0.22 µm,	<b>SF178A-1x100NO</b>	<b>1x100 no</b>	
<b>MCE membrane</b> Diameter: 142mm, Pore size: 0.45 µm,	<b>SF178B-1x100NO</b>	<b>1x100 no</b>	
<b>MCE membrane</b> Diameter: 142mm, Pore size: 10 µm,	<b>SF178C-1x100NO</b>	<b>1x100 no</b>	

Product	Code	Packing	Price in ₹
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**Nylon-66 membranes**

- Types:
  - 1) Standard : Double layered, hydrophilic and biologically inert
  - 2) HPLC Grade : Hydrophilic, biologically inert, used for HPLC sample preparation
- Available in 6 different diameters each with 3 pore sizes
- Wide chemical compatibility
- Autoclavable
- Non-shedding in nature and free of leachable wetting agents

**Applications**

- Filtration
- Sterilization
- Filtration of mobile phase in HPLC processes with aqueous, alkaline & organic samples

Specifications of Nylon-66 Membranes						
Pore size (µm)	0.22		0.45		0.8	
Diameter (mm)	13mm, 25mm, 47mm, 90mm, 142mm, 293mm					
Water Flow Rate (ml/min/cm <sup>2</sup> ) at ΔP=10psi, 20°C	14.5		38.5		125	
Bubble point	52psi	3.65 kg/cm <sup>2</sup>	33psi	2.32 kg/cm <sup>2</sup>	14psi	0.98 kg/cm <sup>2</sup>
Maximum operating pressure	3 Kg/cm <sup>2</sup>					

**Standard Nylon-66 Membranes**

Pore sizes (µm)	Diameters					
	13mm	25mm	47mm	90mm	142mm	293mm
0.22	SF101A	SF102A	SF103A	SF104A	SF105A	SF106A
0.45	SF101B	SF102B	SF103B	SF104B	SF105B	SF106B
0.80	SF101C	SF102C	SF103D	SF104C	SF105C	SF106C
3.00	-	-	SF103H	-	-	-
5.00	-	-	SF103J	-	-	-
10.00	-	-	-	-	SF105D	-

**Nylon-66 Membranes, Non-sterile**

<b>Nylon-66 Membrane</b> Diameter: 13mm, Pore size: 0.22µm	<b>SF101A-1x100NO</b>	<b>1x100 no</b>	
<b>Nylon-66 Membrane</b> Diameter: 13mm, Pore size: 0.45µm	<b>SF101B-1x100NO</b>	<b>1x100 no</b>	
<b>Nylon-66 Membrane</b> Diameter: 13mm, Pore size: 0.8µm	<b>SF101C-1x100NO</b>	<b>1x100 no</b>	
<b>Nylon-66 Membrane</b> Diameter: 25mm, Pore size: 0.22µm	<b>SF102A-1x100NO</b>	<b>1x100 no</b>	
<b>Nylon-66 Membrane</b> Diameter: 25mm, Pore size: 0.45µm	<b>SF102B-1x100NO</b>	<b>1x100 no</b>	
<b>Nylon-66 Membrane</b> Diameter: 25mm, Pore size: 0.8µm	<b>SF102C-1x100NO</b>	<b>1x100 no</b>	

Product	Code	Packing	Price in ₹
<b>Nylon-66 Membrane</b> Diameter: 47mm, Pore size: 0.22µm	SF103A-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 47mm, Pore size: 0.45µm	SF103B-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 47mm, Pore size: 0.8µm	SF103D-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 47mm, Pore size: 3 µm	SF103H-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 47mm, Pore size: 5 µm	SF103J-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 90mm, Pore size: 0.22µm	SF104A-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 90mm, Pore size: 0.45µm	SF104B-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 90mm, Pore size: 0.8µm	SF104C-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 142mm, Pore size: 0.22µm	SF105A-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 142mm, Pore size: 0.45µm	SF105B-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 142mm, Pore size: 0.8µm	SF105C-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 142mm, Pore size: 10 µm	SF105D-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 293mm, Pore size: 0.22µm	SF106A-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 293mm, Pore size: 0.45µm	SF106B-1x100NO	1x100 no	
<b>Nylon-66 Membrane</b> Diameter: 293mm, Pore size: 0.8µm	SF106C-1x100NO	1x100 no	

**HPLC Grade Nylon-66 Membranes**

Pore sizes (µm)	Diameters		
	13mm	25mm	47mm
0.22	SF101D	SF102D	SF103E
0.45	SF101E	SF102E	SF103F
0.80	SF101F	SF102F	SF103G

Product	Code	Packing	Price in ₹
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 13mm, Pore size: 0.22µm	SF101D-1x100NO	1x100 no	
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 13mm, Pore size: 0.45µm	SF101E-1x100NO	1x100 no	
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 13mm, Pore size: 0.8µm	SF101F-1x100NO	1x100 no	
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 25mm, Pore size: 0.22µm	SF102D-1x100NO	1x100 no	
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 25mm, Pore size: 0.45µm	SF102E-1x100NO	1x100 no	
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 25mm, Pore size: 0.8µm	SF102F-1x100NO	1x100 no	
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 47mm, Pore size: 0.22µm	SF103E-1x100NO	1x100 no	
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 47mm, Pore size: 0.45µm	SF103F-1x100NO	1x100 no	
<b>Nylon-66 Membrane, For HPLC</b> Diameter: 47mm, Pore size: 0.8µm	SF103G-1x100NO	1x100 no	

**PVDF Hydrophilic Membranes, Non-sterile**

- Polyvinylidene Fluoride (PVDF) Membranes are their extremely low protein binding capacity.
- They are available in multiple pore sizes.
- PVDF membrane filters are mechanically strong, exhibit superior chemical resistance, and high thermal stability.

**Applications:**

- HPLC - sample & mobile phase filtration
- Filtration of protein-containing solutions
- Mycoplasma reduction
- Filtration of gases
- Venting (hydrophobic PVDF membranes)

<b>PVDF Hydrophilic Membrane</b> Diameter: 25mm, Pore size: 0.45 µm	SF181A-1x100NO	1x100 no	
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Product	Code	Packing	Price in ₹
<b>PVDF Hydrophilic Membrane</b> Diameter: 47mm, Pore size: 0.22 µm	SF182A-1x100NO	1x100 no	
<b>PVDF Hydrophilic Membrane</b> Diameter: 47mm, Pore size: 0.45 µm	SF182B-1x100NO	1x100 no	
<b>PVDF Hydrophilic Membrane</b> Diameter: 47mm, Pore size: 3 µm	SF182C-1x100NO	1x100 no	
<b>PVDF Hydrophilic Membrane</b> Diameter: 142mm, Pore size: 0.22 µm	SF183A-1x100NO	1x100 no	
<b>PVDF Hydrophilic Membrane</b> Diameter: 142mm, Pore size: 0.45 µm	SF183B-1x100NO	1x100 no	
<b>PVDF Hydrophilic Membrane</b> Diameter: 142mm, Pore size: 10 µm	SF183C-1x100NO	1x100 no	

**PES Hydrophilic Membranes, Non-sterile**

- PES filter membranes are hydrophilic having low protein binding.
- These filter membranes have the highest filtration capacity.
- Wide range of pore sizes available.
- They are ideal for tissue culture media sterilization, fluid applications and general filtration.

**Applications:**

- Sterile filtration
- Pharmaceutical filtration
- Bacterial enumeration

<b>PES Membrane</b> Diameter: 25mm, Pore size: 0.45 µm	SF184A-1x100NO	1x100 no	
<b>PES Membrane</b> Diameter: 47mm, Pore size: 0.22 µm	SF185A-1x100NO	1x100 no	
<b>PES Membrane</b> Diameter: 47mm, Pore size: 0.45 µm	SF185B-1x100NO	1x100 no	
<b>PES Membrane</b> Diameter: 47mm, Pore size: 3 µm	SF185C-1x100NO	1x100 no	
<b>PES Membrane</b> Diameter: 142mm, Pore size: 0.22 µm	SF186A-1x100NO	1x100 no	

Product	Code	Packing	Price in ₹
<b>PES Membrane</b> Diameter: 142mm, Pore size: 0.45 µm	SF186B-1x100NO	1x100 no	
<b>PES Membrane</b> Diameter: 142mm, Pore size: 10 µm	SF186C-1x100NO	1x100 no	

**PTFE Polytetrafluoro Ethylene, Hydrophobic Non-sterile**

- Hydrophobic in nature
- Compatible with acids and aggressive solutions
- Highly inert
- Available in 0.45 and 0.2 micron pore sizes

**Applications**

- Filtration of organic solvents and acids
- Venting applications
- Phase separations
- Aerosol sampling
- Oil filtration

<b>PTFE Hydrophobic Membrane</b> Diameter: 293 mm Pore size: 0.45 µm	<b>New</b> SF214-25NO	25 no	
<b>PTFE Hydrophobic Membrane</b> Diameter: 142 mm Pore size: 0.45 µm	<b>New</b> SF221-25NO	25 no	
<b>PTFE Hydrophobic Membrane</b> Diameter: 90 mm Pore size: 0.45 µm	<b>New</b> SF222-25NO	25 no	
<b>PTFE Hydrophobic Membrane</b> Diameter: 47 mm Pore size: 0.45 µm	<b>New</b> SF223-25NO	25 no	
<b>PTFE Hydrophobic Membrane</b> Diameter: 293 mm Pore size: 0.22 µm	<b>New</b> SF224-25NO	25 no	
<b>PTFE Hydrophobic Membrane</b> Diameter: 142 mm Pore size: 0.22 µm	<b>New</b> SF225-25NO	25 no	
<b>PTFE Hydrophobic Membrane</b> Diameter: 90 mm Pore size: 0.22 µm	<b>New</b> SF226-25NO	25 no	
<b>PTFE Hydrophobic Membrane</b> Diameter: 47 mm Pore size: 0.22 µm	<b>New</b> SF227-25NO	25 no	

Product	Code	Packing	Price in ₹
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**Glass Fibre Prefilters**

- Available in 6 diameters with 2 different pore sizes
- Low hygroscopicity
- Biologically inert with high chemical and thermal resistance
- Unaffected by humidity and can be stored indefinitely
- Effective removal of large volumes of suspended solids from a process and protection of downstream filter membranes from fouling and clogging
- Reduction in cleaning cost

**Applications:**

- 1.5µm - Clinical specimen filtration
- 2.0µm - Air pollution monitoring
  - Biochemical biological filtration of cells and precipitated proteins
- Scintillation counting
- Radioimmunoassays

Pore sizes (µm)	Diameters						
	25mm	47mm	90mm	127mm	142mm	279mm	293mm
0.22	-	SF188A	-	-	SF189A	-	-
0.45	SF187A	SF188B	-	-	SF189B	-	-
1.50	-	SF115A	SF116A	SF117A	SF118A	SF119A	SF120A
2.00	-	SF115B	SF116B	SF117B	SF118B	SF119B	SF120B
3.00	-	SF188C	-	-	-	-	-
10.00	-	-	-	-	SF189C	-	-

<b>Glass Fiber Prefilter Membrane</b> Diameter: 25mm, Pore size: 0.45 µm	<b>SF187A-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fiber Prefilter Membrane</b> Diameter: 47mm, Pore size: 0.3 µm	<b>SF188A-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fiber Prefilter Membrane</b> Diameter: 47mm, Pore size: 0.45 µm	<b>SF188B-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 47mm, Pore size: 1.5µm	<b>SF115A-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 47mm, Pore size: 2.0µm	<b>SF115B-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fiber Prefilter Membrane</b> Diameter: 47mm, Pore size: 3 µm	<b>SF188C-1x100NO</b>	<b>1x100 no</b>

Product	Code	Packing	Price in ₹
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<b>Glass Fibre Prefilter</b> Diameter: 90mm, Pore size: 1.5µm	<b>SF116A-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 90mm, Pore size: 2.0µm	<b>SF116B-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 127mm, Pore size: 1.5µm	<b>SF117A-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 127mm, Pore size: 2.0µm	<b>SF117B-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fiber Membrane</b> Diameter: 142mm, Pore size: 0.22 µm	<b>SF189A-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fiber Membrane</b> Diameter: 142mm, Pore size: 0.45 µm	<b>SF189B-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 142mm, Pore size: 1.5µm	<b>SF118A-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 142mm, Pore size: 2.0µm	<b>SF118B-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fiber Membrane</b> Diameter: 142mm, Pore size: 10 µm	<b>SF189C-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 279mm, Pore size: 1.5µm	<b>SF119A-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 279mm, Pore size: 2.0µm	<b>SF119B-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 293mm, Pore size: 1.5µm	<b>SF120A-1x50NO</b>	<b>1x50 no</b>
<b>Glass Fibre Prefilter</b> Diameter: 293mm, Pore size: 2.0µm	<b>SF120B-1x50NO</b>	<b>1x50 no</b>

Product	Code	Packing	Price in ₹
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**Glass Fibre Filter Papers**

- Available as circular discs as well as pre-cut sheets
- Circular membranes available in 4 different diameters
- Biologically inert with high chemical and thermal resistance

Type	Basic Weight (gms/m <sup>2</sup> )	Thickness (mm)	Partical Retention Size (Liquid) μm	Pressure Drop @32 LPM/100cm <sup>2</sup>
1	53	0.3	1.6	40
2	70	0.44	1.2	40
3	54	0.3	1.2	40

**Applications of different types of Glass Fiber Filter papers:**

Type 1	Type 2	Type 3
<ul style="list-style-type: none"> <li>• Routine monitoring of air pollution</li> </ul>	<ul style="list-style-type: none"> <li>• Specialized monitoring of solid pollutants, micro organisms, oil and smoke air</li> </ul>	<ul style="list-style-type: none"> <li>• Gravimetric determination of air borne particulate matter</li> </ul>
<ul style="list-style-type: none"> <li>• Chemical analysis of trace pollutants</li> </ul>	<ul style="list-style-type: none"> <li>• Air sampling</li> </ul>	
<ul style="list-style-type: none"> <li>• Liquid scintillation counting</li> </ul>	<ul style="list-style-type: none"> <li>• Binding assays</li> </ul>	

**Glass Fibre Filter Papers, Type 1**

- High flow rate
- Efficient collection of fine particles
- High dirt holding capacity
- High stability at varying humidity

<b>Glass Fibre Filter Paper, Type 1</b> Diameter: 37mm, Thickness: 0.3mm	<b>SF121A-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Filter Paper, Type 1</b> Diameter: 47mm, Thickness: 0.3mm	<b>SF121B-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Filter Paper, Type 1</b> Diameter: 110mm, Thickness: 0.3mm	<b>SF121C-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Filter Paper, Type 1</b> Diameter: 125mm, Thickness: 0.3mm	<b>SF121D-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Filter Paper, Type 1</b> Dimensions: 8" x 10", Thickness: 0.3mm	<b>SF121E-1x100NO</b>	<b>1x100 no</b>

Product	Code	Packing	Price in ₹
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**Glass Fibre Filter Papers, Type 2**

- Manufactured from 100% pure borosilicate glass of special purity
- High retention efficiency
- High dirt holding capacity

<b>Glass Fibre Filter Paper, Type 2</b> Dimensions: 8" x 10"	<b>SF122-1x100NO</b>	<b>1x100 no</b>	<b>19515</b>
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**Glass Fibre Filter Papers, Type 3**

- High flow rate
- Biologically inert
- High dirt holding capacity

Diameter / Dimensions	Type 1 Code	Type 2 Code	Type 3 Code
37mm	SF121A	-	SF123A
47mm	SF121B	-	SF123B
110mm	SF121C	-	SF123C
125mm	SF121D	-	SF123D
8" x 10"	SF121E	SF122	SF123E

<b>Glass Fibre Filter Paper, Type 3</b> Diameter: 37mm	<b>SF123A-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Filter Paper, Type 3</b> Diameter: 47mm	<b>SF123B-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Filter Paper, Type 3</b> Diameter: 110mm	<b>SF123C-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Filter Paper, Type 3</b> Diameter: 125mm	<b>SF123D-1x100NO</b>	<b>1x100 no</b>
<b>Glass Fibre Filter Paper, Type 3</b> Dimensions: 8" x 10"	<b>SF123E-1x100NO</b>	<b>1x100 no</b>

## Blotting Membranes

### Nitrocellulose Blotting Membranes

- Available in pre-cut sheets and rolls with two different pore sizes
- Uniform pore structure
- Compatible with colorimetric and radiolabeling detection methods
- Molecular fixation by baking, drying, alkali treatment and UV crosslinking is possible
- High strength and durability, preventing distortion or contamination in multiple reprobing
- Capable of binding wide range of fragment sizes
- Inherently charged

#### Applications

- Northern and Southern blotting
- Electrotransfer
- Capillary blot

#### Specifications of Nitrocellulose blotting membranes

Pore size (μm)	0.22	0.45
Dimensions (cm x cm)	15x15, 20x20, 30x30, 30x300	

Pore sizes (μm)	Pre-cut Sheets Dimensions (cm x cm)			Rolls Dimensions (cm x m)
	15 x 15	20 x 20	30 x 30	30cm x 3m
0.22	SF107A	SF108A	SF109A	SF110A
0.45	SF107B	SF108B	SF109B	SF110B

### Product

Code

Packing

Price in ₹

### Nitrocellulose Blotting Membrane pre-cut sheets

Nitrocellulose Blotting Membrane	Code	Packing
Nitrocellulose Blotting Membrane Dimensions: 15cm x 15cm, Pore size: 0.22μm	SF107A-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 15cm x 15cm, Pore size: 0.45μm	SF107B-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 20cm x 20cm, Pore size: 0.22μm	SF108A-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 20cm x 20cm, Pore size: 0.45μm	SF108B-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 30cm x 30cm, Pore size: 0.22μm	SF109A-1x25NO	1x25 no
Nitrocellulose Blotting Membrane Dimensions: 30cm x 30cm, Pore size: 0.45μm	SF109B-1x25NO	1x25 no

### Product

Code

Packing

Price in ₹

### Nitrocellulose Blotting Membrane Rolls

Nitrocellulose Blotting Membrane Roll	Code	Packing
Nitrocellulose Blotting Membrane Roll Dimensions: 30cm x 3m, Pore size: 0.22μm	SF110A-1 ROLL	1 roll
Nitrocellulose Blotting Membrane Roll Dimensions: 30cm x 3m, Pore size: 0.45μm	SF110B-1 ROLL	1 roll

### Nylon-66 Blotting Membranes



- Available in pre-cut sheets and rolls with two different pore sizes
- Uniform pore structure
- Compatible with colorimetric, radiolabeled, chemiluminescent, fluorescent and staining detection methods
- Molecular fixation by baking and drying is possible
- Can be easily blocked by normal blocking methods
- High signal to noise ratio
- High strength offers ease of handling

#### Applications

- Protein binding
- Nucleic acid blotting
- Dot-Blot screening
- Colony/ Plaque screening

#### Specifications of Nylon-66 blotting membranes

Pore size (μm)	0.22	0.45
Dimensions (cm x cm)	15x15, 20x20, 30x30, 30x3m	

Pore sizes (μm)	Pre-cut Sheets Dimensions (cm x cm)			Rolls Dimensions (cm x m)
	15 x 15	20 x 20	30 x 30	30cm x 3m
0.22	SF111A	SF112A	SF113A	SF114A
0.45	SF111B	SF112B	SF113B	SF114B

### Nylon-66 Blotting Membrane pre-cut sheets

Nylon-66 Blotting Membrane	Code	Packing
Nylon-66 Blotting Membrane Dimensions: 15cm x 15cm, Pore size: 0.22μm	SF111A-1x25NO	1x25 no
Nylon-66 Blotting Membrane Dimensions: 15cm x 15cm, Pore size: 0.45μm	SF111B-1x25NO	1x25 no

Product	Code	Packing	Price in ₹
<b>Nylon-66 Blotting Membrane</b> Dimensions: 20cm x 20cm, Pore size: 0.22µm	SF112A-1x25NO	1x25 no	
<b>Nylon-66 Blotting Membrane</b> Dimensions: 20cm x 20cm, Pore size: 0.45µm	SF112B-1x25NO	1x25 no	
<b>Nylon-66 Blotting Membrane</b> Dimensions: 30cm x 30cm, Pore size: 0.22µm	SF113A-1x25NO	1x25 no	
<b>Nylon-66 Blotting Membrane</b> Dimensions: 30cm x 30cm, Pore size: 0.45µm	SF113B-1x25NO	1x25 no	

### Nylon-66 Blotting Membrane Rolls

<b>Nylon-66 Blotting Membrane Roll</b> Dimensions: 30cm x 3m, Pore size: 0.22µm	SF114A-1ROLL	1 roll	
<b>Nylon-66 Blotting Membrane Roll</b> Dimensions: 30cm x 3m, Pore size: 0.45µm	SF114B-1ROLL	1 roll	

Selection Chart for Blotting Membranes		
Membrane Type	Cellulose nitrate	Nylon-66
<b>Biomolecules</b>		
Nucleic Acids	R	HR
Proteins	R	R
<b>Transfer Method</b>		
Dot Blot	R	R
Colony or Plaque Lift	HR	R
Electrotransfer	R*	HR
Capillary Blot	R	R
Vacuum Blot	R	R
Alkaline Transfer	NR	R
<b>Molecule Fixation</b>		
Baking	R	R
Drying	R	R
UV Crosslinking	P	HR
Alkali Fixation	NR	R
Molecule Removal	NR	NR
<b>Detection Method</b>		
Colorimetric	HR	R
Radiolabeled	R	R
Luminescent	R	P
Fluorescent	R	P
Staining	R	P
<b>Reprobing</b>		
Once	NR	R
Multiple	NR	R

Key: HR = Highly Recommended      R = Recommended      P = Possible  
R\* = Recommended for Proteins only      NR = Not Recommended

## Filtration Membranes

### Applications as per membrane chemistry

Membrane types	Pore size	Application
Nylon-66	0.22 µm	Sterile filtration, HPLC sample preparation, solvent filtration
	0.22 to 1.2 µm	Particle removal and clarification, solvent filtration, particle analysis, paint monitoring & automotive cleanliness analysis
	0.45 µm	Clarification of aqueous solutions, particle removal & analysis, preparation of aqueous & organic solutions prior to chromatography
PVDF	0.22 µm	Preparation of protein-containing solutions prior to chromatography, particle removal from aqueous & mild organic solutions, sterile filtration of tissue culture media, protein & DNA solutions
	0.1 µm	General filtration, particle separation, protein clarification and sterile filtration, Ultra-low protein binding assays, sterile filtration of tissue culture media, protein solutions or aqueous solutions.
PTFE	0.45 µm	HPLC solvents, solid-phase synthesis, sample recovery & peptide synthesis.
	0.22 µm	Analytical sample preparation, clarification of aqueous & organic solutions with high particulate levels.
PES	0.22 µm	Preparation of aqueous solutions prior to chromatography, vacuum filtration of tissue culture media, serum, buffers, or other biological solutions.
	0.45 µm	Receptor binding assays on whole cells and cell fragments, protein kinase/phosphatase precipitation assays & bead/resin based assays
MCE	0.45 µm	Analytical & research applications
CA	0.22 µm	Sterilization, sterility testing, final filtration of protein samples for HPLC, GC & others.
	0.45 µm	Analysis of bacteria, sterility testing, clarification & pre-filtration.

## Syringe-Driven Filters, Non-Sterile

Syringe-driven Filters (non-sterile)	Diameter (mm)	Pore Size (µm)			
		with prefilter		without prefilter	
		0.22	0.45	0.22	0.45
Cellulose Acetate (CA)	30	–	–	SF160	SF161
Mixed Cellulose Esters (MCE)	30	–	–	SF162	SF163
Nylon-66	13	–	–	SF216	–
	25	SF128	SF129	SF126	–
	30	–	–	SF152	SF153
Polyvinylidene Fluoride (PVDF)	13	–	SF212	–	SF213
	25	SF130	SF131	–	–
	30	–	–	SF154	SF155
Polytetrafluoroethylene (PTFE)	25	SF132	SF133	–	–
	30	–	–	SF156	SF157
Polyether Sulfone (PES)	25	SF134	SF135	–	–
	30	–	–	SF158	SF159

Product	Code	Packing	Price in ₹
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### Ideal for sample preparation

#### Application:

- Aqueous samples (hydrophilic molecules)
- QC analysis of fluid holding, article collection and analysis
- Sample preparation in HPLC and GC
- Reliable removal of particles and microorganisms from liquids and gases
- Available with prefilter for high particulate sample filtration

### Cellulose Acetate Syringe-driven Filters

- Sterilize by autoclaving

<b>Syringe-driven Filters</b> Cellulose Acetate, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF160-1x250NO</b> <b>SF160-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>
<b>Syringe-driven Filters</b> Cellulose Acetate, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF161-1x250NO</b> <b>SF161-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>

### Mixed Cellulose Esters Syringe-driven Filters

- Sterilize by autoclaving

<b>Syringe-driven Filters</b> MCE, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF162-1x250NO</b> <b>SF162-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>
<b>Syringe-driven Filters</b> MCE, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF163-1x250NO</b> <b>SF163-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>

Product	Code	Packing	Price in ₹
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### Nylon Syringe-driven Filters

- Sterilize by autoclaving

<b>Syringe-driven Filters</b> <span style="color: red;">New</span> Nylon-66, hydrophilic membrane, Pore size: 0.22µm, 13 mm diameter, without prefilter, Non-sterile	<b>SF216-1x250NO</b> <b>SF216-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>
<b>Syringe-driven Filters</b> Nylon-66, hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, without prefilter, Non-sterile	<b>SF126-1x250NO</b> <b>SF126-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>
<b>Syringe-driven Filters</b> Nylon-66, hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF128-1x250NO</b> <b>SF128-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>
<b>Syringe-driven Filters</b> Nylon-66, hydrophilic membrane, Pore size: 0.45µm, 25 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF129-1x250NO</b> <b>SF129-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>
<b>Syringe-driven Filters</b> Nylon-66, hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF152-1x250NO</b> <b>SF152-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>
<b>Syringe-driven Filters</b> Nylon-66, hydrophilic membrane, Pore size 0.45 µm, 25mm diameter without prefilter, Non-Sterile	<b>SF1002-1x250NO</b> <b>SF1002-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>
<b>Syringe-driven Filters</b> Nylon-66, hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF153-1x250NO</b> <b>SF153-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>



Product	Code	Packing	Price in ₹
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**PVDF Syringe-driven Filters**

- Sterilize by autoclaving

<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, Pore size: 0.45µm, 13 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF212-1x50NO</b> <b>SF212-1x100NO</b>	<b>1x50 no</b> <b>1x100 no</b>	
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, Pore size: 0.45µm, 13 mm diameter, without prefilter, Non-sterile	<b>SF213-1x50NO</b> <b>SF213-1x100NO</b>	<b>1x50 no</b> <b>1x100 no</b>	
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF130-1x250NO</b> <b>SF130-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	
<b>Syringe-driven Filters</b> PVDF hydrophilic membrane, Pore size: 0.45µm, 25 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF131-1x250NO</b> <b>SF131-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	
<b>Syringe-driven Filters</b> PVDF, hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF154-1x250</b> <b>SF154-4x250</b>	<b>1x250 no</b> <b>4x250 no</b>	
<b>Syringe-driven Filters</b> PVDF, hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF155-1x250NO</b> <b>SF155-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	

**PTFE Syringe-driven Filters**

<b>Syringe-driven Filters</b> PTFE hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF132-1x250NO</b> <b>SF132-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	
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Product	Code	Packing	Price in ₹
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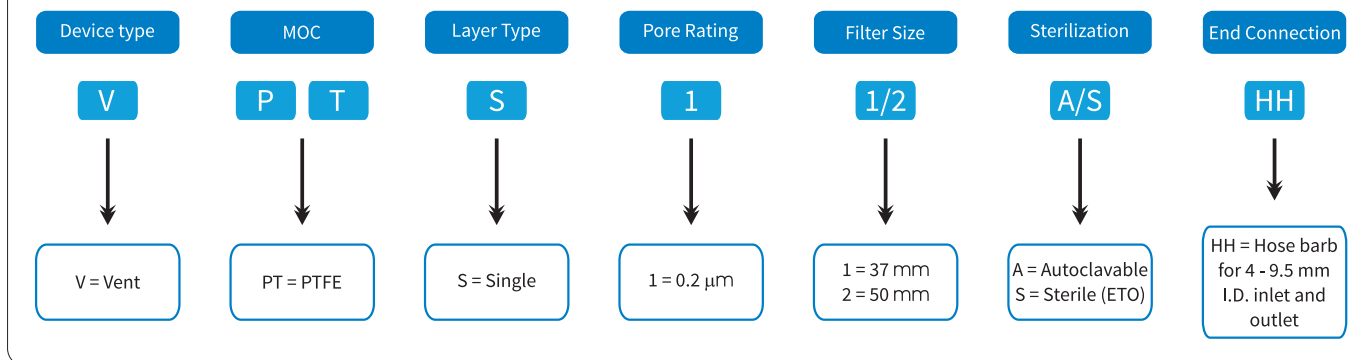
<b>Syringe-driven Filters</b> PTFE hydrophilic membrane, Pore size: 0.45µm, 25 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF133-1x250NO</b> <b>SF133-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	
<b>Syringe-driven Filters</b> PTFE, hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF156-1x250NO</b> <b>SF156-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	
<b>Syringe-driven Filters</b> PTFE, hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF157-1x250NO</b> <b>SF157-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	

**PES Syringe-driven Filters**

<b>Syringe-driven Filters</b> PES hydrophilic membrane, Pore size: 0.22µm, 25 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF134-1x250NO</b> <b>SF134-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	
<b>Syringe-driven Filters</b> PES hydrophilic membrane, Pore size: 0.45µm, 25 mm diameter, <b>with prefilter</b> , Non-sterile	<b>SF135-1x250NO</b> <b>SF135-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	
<b>Syringe-driven Filters</b> PES, hydrophilic membrane, Pore size 0.22 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF158-1x250NO</b> <b>SF158-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	
<b>Syringe-driven Filters</b> PES, hydrophilic membrane, Pore size 0.45 µm, 30mm diameter without prefilter, Non-Sterile	<b>SF159-1x250NO</b> <b>SF159-4x250NO</b>	<b>1x250 no</b> <b>4x250 no</b>	

## Vent Filters

### Ordering Information



Product	Code	Packing	Price in ₹	Product	Code	Packing	Price in ₹
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#### PTFE Vent Filters



#### Applications

- Nitrogen blanketing in SVP
- Venting of sterile collection vessels
- Venting of small bioreactors
- Sterile air for cell factories
- Filtration of IPA / Disinfecting agents

#### PTFE Vent Filter

Membrane: PTFE,  
Pore size: 0.2 μm,  
Diameter: 50 mm,  
**Autoclavable,**  
w/ HB inlet and outlet

**New** VPTS12AHH-1x10NO  
VPTS12AHH-1x50NO  
VPTS12AHH-1x100NO

1x10 no  
1x50 no  
1x100 no

#### PTFE Vent Filters (Sterile)

#### PTFE Vent Filter

Membrane: PTFE,  
Pore size: 0.2 μm,  
Diameter: 37 mm,  
**Sterile,**  
w/ HB inlet and outlet

**New** VPTS11SHH-1x10NO  
VPTS11SHH-1x50NO  
VPTS11SHH-1x100NO

1x10 no  
1x50 no  
1x100 no

#### PTFE Vent Filter

Membrane: PTFE,  
Pore size: 0.2 μm,  
Diameter: 50 mm,  
**Sterile,**  
w/ HB inlet and outlet

**New** VPTS12SHH-1x10NO  
VPTS12SHH-1x50NO  
VPTS12SHH-1x100NO

1x10 no  
1x50 no  
1x100 no

#### PTFE Vent Filters (Non-Sterile)

#### PTFE Vent Filter

Membrane: PTFE,  
Pore size: 0.2 μm,  
Diameter: 37 mm,  
**Autoclavable,**  
w/ HB inlet and outlet

**New** VPTS11AHH-1x10NO  
VPTS11AHH-1x50NO  
VPTS11AHH-1x100NO

1x10 no  
1x50 no  
1x100 no

# Filtration Systems

Filter Holders

Manifold System

H-Filtration Funnel

Filtration Assembly

## Filter Holders



A simple membrane filtration assembly for small volume filtration using syringe

- Made up of stainless steel 316 and specially designed for leak proof sealing
- Stainless steel support screen to avoid breakage of membrane against high differential pressure
- Complete unit can be autoclaved with membrane in place
- S.S filter holders available in two diameters - 13mm and 25mm
- Polyacetal filter holders available in three diameter - 13mm, 25mm, 47mm

**Applications**

- Microfiltration of highly aggressive chemicals and microbiological samples
- Sterilization of HPLC samples, eyewash samples, buffers, sera, photoresists, plant extract, etc

Diameter (mm)	Stainless Steel	Polyacetal
13	SF75	SF93
25	SF76	SF94
47	-	SF95

Product	Code	Packing	Price in ₹
<b>Stainless Steel Filter Holders</b>			
<b>S. S. Syringe Filter Holder</b> 13mm diameter	SF75-1N0	1 no	
<b>S.S. Syringe Filter Holder</b> 25mm diameter	SF76-1N0	1 no	
<b>Polyacetal Syringe Filter Holders</b>			
<b>Polyacetal Syringe Filter Holder</b> 13mm diameter, autoclavable	SF93-1N0	1 no	
<b>Polyacetal Syringe Filter Holder</b> 25mm diameter, autoclavable	SF94-1N0	1 no	
<b>Polyacetal Syringe Filter Holder</b> 47mm diameter, autoclavable	SF95-1N0	1 no	

## S. S. Inline Pressure Filter Holder



Stainless steel filter holder for pressure filter applications

- Made up of stainless steel 316
- Locknut type filter holder allows changing of filter membrane without removal of the filter holder during in-line pressure filtration
- Available for low and high pressure applications
- The complete unit can be autoclaved with membrane in place
- S.S filter holders available in two diameters - 25mm and 47mm

**Applications:**

- Microfiltration of strong chemicals and microbiological samples.
- Sterilization of gases and liquids

Diameter (mm)	Locknut	High pressure
25	SF77	-
47	SF78	SF79

Product	Code	Packing	Price in ₹
<b>S.S. Inline Pressure Filter Holder, Locknut type</b> 25mm diameter	SF77-1N0	1 no	
<b>S.S. Inline Pressure Filter Holder, Locknut type</b> 47mm diameter	SF78-1N0	1 no	
<b>S.S. Inline Pressure Filter Holder, High pressure</b> 47mm diameter	SF79-1N0	1 no	
<b>Inline Filter Holder</b> MOC: Stainless steel, Diameter: 47mm, Overall Length: 3.88 inches, Overall Diameter: 60mm	SF196-1N0	1 no	
<b>Inline Filter Holder, High pressure</b> MOC: Stainless steel, Diameter: 47mm, Overall Length: 3.88 inches, Overall Diameter: 2.8 inch, Hose Barb connection: 8mm	SF197-1N0	1 no	

**S. S. Sterility Test Filter Holder**



Ultra light weight stainless steel filter holder with funnel for vacuum filter applications

- Stainless steel 316 funnel, lid, base and support screen
- Stainless steel 304 spring clamp and silicone stopper
- Unique stainless steel support screen to avoid rupture of membrane disc during filtration
- Standard silicone rubber stopper for mounting filtration assembly on 1L filtration flask or on SS Sterility Test Manifold System
- Complete unit can be autoclaved with membrane in place
- Available in three diameters -13mm, 25mm and 47mm and four volume capacities - 15ml, 300ml, 500ml and 1000ml

**Applications:**

- Sterility testing of antibiotics and pharmaceuticals
- Vacuum filtration of biomass, waste water and particulate contamination analysis
- Microbiological analysis of retained particles
- Yeast and mold detection
- Vacuum filtration of solvents and aqueous solutions

Diameter (mm)	13	25	47		
Volume (ml)	15	150	300	500	1000
Codes	SF80	SF81	SF82	SF83	SF84

Product	Code	Packing	Price in ₹
<b>S.S. Sterility test Filter Holder</b> 13mm diameter for 15ml	SF80-1N0	1 no	
<b>S.S. Sterility test Filter Holder</b> 25mm diameter for 150ml	SF81-1N0	1 no	
<b>S.S. Sterility test Filter Holder</b> 47 mm diameter for 300ml	SF82-1N0	1 no	
<b>S.S. Sterility test Filter Holder</b> 47mm diameter for 500ml	SF83-1N0	1 no	
<b>S.S. Sterility test Filter Holder</b> 47mm diameter for 1000ml	SF84-1N0	1 no	

**S. S Sterility Test Manifold System**



An integrated filtration system for filtering multiple samples using single vacuum source

- Made of stainless steel 316
- Rugged side supports keep the system rigid and firm even when fully loaded
- Available with 3 stations and 6 stations

**Applications:**

- Sterility testing of antibiotics and pharmaceuticals
- Vacuum filtration of biomass, waste water and particulate contamination analysis
- Microbiological analysis of retained particles
- Yeast and mold detection
- Vacuum filtration of solvents and aqueous solutions

No. of stations	Codes
3	SF85
6	SF86

Product	Code	Packing	Price in ₹
<b>S.S. Sterility Test Manifold System</b> With 3 Station without holders	SF85-1N0	1 no	
<b>S.S. Sterility Test Manifold System</b> With 3 Station without holders, Filter head: Detachable, screw with holder	<b>New</b> SF85A1-1N0	1 no	
<b>S.S. Sterility Test Manifold System</b> With 6 Station without holders	SF86-1N0	1 no	
<b>S.S. Sterility Test Manifold System</b> With 6 Station without holders, Filter head: Detachable, screw with holder	<b>New</b> SF86A1-1N0	1 no	

Product	Code	Packing	Price in ₹
<b>S.S Inline Process Filter Holder</b>			



SF89

A reliable and convenient device for large volume filtration process

- Made of stainless steel 316
- Provided with stainless steel support screen and integrity tester
- Complete unit can be autoclaved with membrane in place
- Available in three diameters - 90mm, 142mm and 293mm

**Applications:**

- Large volume process filtration of pharmaceuticals
- Sterilization of tissue culture media and blood plasma fractions
- Sterilizing large volume of fluids, gases and hazardous acids and solvents

Diameter (mm)	Without integrity tester	With integrity tester
90	SF87	SF88
142	SF89	SF90
293	SF91	SF92

Product	Code	Packing	Price in ₹
<b>S.S. Inline Process Filter Holder</b> 90mm	<b>SF87-1N0</b>	<b>1 no</b>	
<b>S.S. Inline Process Filter Holder, With Integrity Tester</b> 90mm	<b>SF88-1N0</b>	<b>1 no</b>	
<b>S.S. Inline Process Filter Holder</b> 142mm	<b>SF89-1N0</b>	<b>1 no</b>	
<b>S.S. Inline Process Filter Holder, With Integrity Tester</b> 142mm	<b>SF90-1N0</b>	<b>1 no</b>	
<b>S.S. Inline Process Filter Holder</b> 293mm	<b>SF91-1N0</b>	<b>1 no</b>	
<b>S.S. Inline Process Filter Holder, With Integrity Tester</b> 293mm	<b>SF92-1N0</b>	<b>1 no</b>	

## H-Filtration Funnel

**INTRODUCING**

H-Filtration Funnel - SF191



### Easy to Use Sterilized filtration cups

The SF191 Filtration Cups are single use filtration units which are gamma sterilized and individually packed to eliminate risk of contamination and provide accurate results. They come with filter membrane.

This unit is compatible with SF85A1 and SF86A1 manifold and with other manifolds available in the market.

**Applications:** Bioburden testing of water, in-process samples, and final products.

### Product Highlights

- Easy one hand handling
- Sterile and disposable - eliminate the risk of contamination.
- Time saving
- Volume graduations on 2 sides for ease in measuring your sample volume
- Grooves on side of the cups for holding
- Cups can be stacked to save space
- Forceps grooves on 2 sides for easy lifting of filter membrane.
- Filter cup Lid converts into a Petri dish
- Available with cellulose nitrate gridded, PVDF and MCE

**Traceability:** A unique lot no is printed on each pouch containing H-funnel to ensure complete traceability.

**Packing:** H-funnel are gamma sterilised with individual packing.

Product Description	Kit Components	Product Code	Price in ₹
<b>47mm Filtration Funnel</b>			
<b>SF191 series</b>	Cellulose Nitrate Membrane (Gridded)	SF191	
	MCE Membrane	SF191M	
<b>includes</b> • Filtration funnel: 47mm, 125ml • Gamma sterilized	Cellulose Nitrate Membrane (Non-Gridded)	SF191H	
	PVDF Membrane	SF191P	
<b>includes</b> • Filtration funnel: 47mm, 125ml • ETO sterilized	Cellulose Nitrate Membrane	SF191E	

Product	Code	Packing	Price in ₹
<b>Filtration Funnels</b>			

**Ready-to-use sterile disposable funnel**



- The disposable funnel is the ideal combination of reliability and time saving.
- Easy positioning and removal of the membrane filter, ensuring secure lock-down.
- Ready-to-use: Simply change the funnel, rather than spending time autoclaving it.

<b>Filtration Funnel: 47mm, Polypropylene w/ Cellulose nitrate membrane</b> Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125ml Support screen: Cellulose pad 2. Cellulose Nitrate Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, Gamma irradiated	<b>SF190-180NO</b>	<b>180 no</b>
<b>Filtration Funnel: 47mm, Polypropylene w/ MCE membrane</b> Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125ml 2. MCE Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, Gamma irradiated	<b>SF190M-180NO</b>	<b>180 no</b>

Product	Code	Packing	Price in ₹
<b>Filtration Funnel: 47mm, Polypropylene w/ Non-Gridded Cellulose Nitrate membrane</b> Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125ml 2. Non-Gridded Cellulose Nitrate Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, Gamma irradiated	<b>SF190H-180NO</b>	<b>180 no</b>	
<b>Filtration Funnel: 47mm, Polypropylene w/ PVDF membrane</b> Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125ml 2. PVDF Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, Gamma irradiated	<b>SF190P-180NO</b>	<b>180 no</b>	
<b>Filtration Funnel: 47mm, Polypropylene w/ Cellulose nitrate membrane</b> Components: 1. Filtration Funnel Material of construction: Polypropylene Diameter: 47mm Capacity: 125mL Support screen: Cellulose pad 2. Cellulose Nitrate Membrane Pore Size: 0.45 micron Diameter: 47mm Sterile: Yes, ETO sterilized	<b>SF190E-180NO</b>	<b>180 no</b>	
<b>Filtration Funnel: 47mm, Polysulfone</b> Components: 1. Filtration Funnel Material of construction: Polysulfone Diameter: 47mm Capacity: 300ml 2. Stop cork Material of construction: Silicon Size: No#8 Autoclavable at 121°C for 15 minutes	<b>SF190A-1NO</b>	<b>1 no</b>	

## Filtration Assembly

Ergonomically designed high throughput filtration system



Product Description	Kit Components	Product Code	Price in ₹
<b>47mm Filtration Assembly</b>			
<b>Filtration Assembly 47mm, Stainless Steel</b> (Autoclavable)	<b>Includes</b> Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump	SF198A	
<b>Filtration Assembly 47mm, Glass</b> (Autoclavable)	<b>Includes</b> Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump	SF199A	
<b>Filtration Assembly 47mm, Polypropylene</b> (Autoclavable)	<b>Includes</b> Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump	SF200A	
<b>142mm Filtration Assembly</b>			
<b>Filtration Assembly 142mm, Stainless Steel</b> (Autoclavable)	<b>Includes</b> Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump	SF202A	
<b>Stainless Steel, 3 Station Manifold Assembly</b>			
<b>SF85 series 3 Station Manifold Assembly</b> (Autoclavable)	<b>Includes</b> 3 Station Manifold System, Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump 75 LPM	SF85A	
	<b>Includes</b> 3 Station Manifold System, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump 75 LPM, Filter head w/ detachable screw holder	SF85A1A	
<b>Stainless Steel, 6 Station Manifold Assembly</b>			
<b>SF86 series 6 Station Manifold Assembly</b> (Autoclavable)	<b>Includes</b> 6 Station Manifold System, Filter holder, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump 75 LPM 1000ml receiver flask	SF86A	
	<b>Includes</b> 6 Station Manifold System, #8 size rubber stop cork, Forcep, Silicon tube, Connector, 1000ml receiver flask, w/ Vacuum pump 75 LPM, Filter head w/ detachable screw holder	SF86A1A	

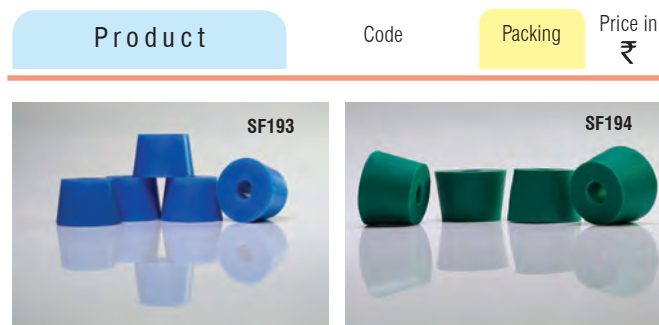
Note : All assemblies available with 2000ml and 5000ml receiver flask.



Product	Code	Packing	Price in ₹
<b>Filtration Accessories</b>			
<b>Adapter Kit - 1</b> <span style="color: red; font-weight: bold;">New</span> SF221-1N0 Stop cork: Moc: neoprene/silicon Size: #8 Connector: female lure, silicon tube Autoclavable		1 no	
<b>Adapter Kit - 2</b> <span style="color: red; font-weight: bold;">New</span> SF222-1N0 Stop cork: Moc: neoprene/silicon Size: #10 Connector: female lure, silicon tube Autoclavable		1 no	
<b>Vacuum Trap Assembly</b> SF195-1N0 Components: 1. Receiver flask: 1 no Material of Construction: Borosilicate Glass Capacity: 1000mL 2. Suction Lances Material of Construction: Stainless Steel 3. Stop Cork: 1 no Material of Construction: Neoprene Rubber Size: No #8 4. Silicon Tube: 1 no Diameter: 10 x 8 mm Length: 1.5 meter		1 no	



<b>Duck Clamp</b> SF192-1N0 MOC : Aluminum (Anodized), Diameter: 47mm		1 no	
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<b>Stop Cork, Silicon</b> SF193-10N0 Size: No #8		10 no	
<b>Stop Cork, Neoprene</b> SF194-10N0 Size: No #8		10 no	
<b>Stop Cork, Silicon</b> <span style="color: red; font-weight: bold;">New</span> SF218-5N0 Size: #10		5 no	
<b>Stop Cork, Neoprene</b> <span style="color: red; font-weight: bold;">New</span> SF219-5N0 Size: #10		5 no	
<b>Dispensing Pressue Vessel</b> <span style="color: red; font-weight: bold;">New</span> SF215-1N0 Size: 5 L with 47 mm disc holder, 1 - SS forcep		1 no	
<b>Dispensing Pressue Vessel</b> <span style="color: red; font-weight: bold;">New</span> SF220-1N0 Size: 10 L with 47 mm disc holder, 1 - SS forcep		1 no	
<b>Vacuum Pump (15 LPM) with Hose tube</b> SF201-1N0 MOC: Aluminium Max. flow rate: 15L/min		1 no	
<b>Vacuum Pump (75 LPM) with Hose tube</b> SF203-1N0 MOC: Aluminium Max. flow rate: 75L/min		1 no	
<b>Receiver Flask</b> <span style="color: red; font-weight: bold;">New</span> SF205-1N0 Moc: glass Volume: 1000 ml		1 no	
<b>Receiver Flask</b> <span style="color: red; font-weight: bold;">New</span> SF206-1N0 Moc: glass Volume: 2000 ml		1 no	
<b>HiVac - 300 Vacuum Pump</b> LA1080-1N0 Oil-Free Piston Vacuum Pump		1 no	
<b>HiVac - 400 Vacuum Pump</b> LA1081-1N0 Oil-Free Piston Vacuum Pump		1 no	

For more details of LA1080 and LA1081 refer page no. 729

# Chemical Compatibility Guide

Membrane types	Membranes						
	Cellulose Nitrate	PTFE	Nylon-66	PVDF	Cellulose Acetate	MCE	PES
<b>Solvents</b>							
Amyl Alcohols, Butanol	F	G	G	G	F	N	G
Ammonium sulphate	ND	G	G	N	ND	N	ND
Benzyl Alcohol	N	G	G	G	F	N	ND
Benzyl Alcohol 4%	F	G	G	G	ND	ND	ND
Boric Acid	G	G	F	G	G	G	ND
Butyl alcohol	G	G	G	G	G	G	G
Diethyl Ether	N	ND	G	ND	F	N	G
Dimethyl Formamide	N	F	G	N	N	N	N
Ethanol 98%	N	G	G	G	N	N	G
Ethanol 70%	ND	G	G	G	F	ND	G
Ethylene Glycol	N	G	G	G	F	N	G
Glycerol	ND	G	G	G	F	G	G
Hexane	G	G	G	G	F	G	N
Iso Propyl Alcohol	G	G	G	G	F	N	G
Iso butyl alcohol	ND	G	ND	G	ND	G	G
Methanol 98%	N	G	G	G	N	N	G
Nitrobenzene	N	G	F	G	N	G	N
n-Butanol	G	F	G	G	F	G	ND
Peanut Oil	G	ND	G	ND	ND	ND	ND
Pentane	G	G	G	G	G	G	G
Propylene glycol	ND	G	G	G	F	ND	G
Paraldehyde	ND	G	G	ND	ND	N	ND
Sodium chloride	G	G	G	G	G	G	ND
Sodium carbonate	G	G	ND	G	G	G	ND
Tetrahydrofuran/Water (50:50)	N	F	G	N	ND	ND	ND
Urea, 8M	ND	G	G	G	ND	G	ND
<b>Acids</b>							
Acetic Acid Glacial	N	G	G	G	N	N	G
Acetic Acid 25%	ND	G	N	G	N	ND	G
Formic Acid 25%	F	G	N	G	F	ND	ND
Hydrochloric Acid Concentrated	N	G	N	G	N	N	G
Hydrochloric Acid 37%	N	G	N	ND	N	N	N
Hydrochloric Acid 10%	G	G	G	F	F	F	G
Hydrofluoric acid	N	G	N	G	N	N	ND
Lactic acid, 50%	ND	G	ND	ND	ND	ND	ND
Nitric Acid Concentrated	N	G	N	G	N	N	N
Nitric Acid 6N, 38%	N	G	N	G	N	N	G
Nitric Acid 67%	N	ND	N	N	N	ND	ND
Nitric Acid 7%	G	G	G	G	ND	ND	ND
Phosphoric Acid 25%	ND	G	N	G	F	ND	ND
Sulphuric Acid Concentrated	N	G	N	N	N	N	N
Sulphuric acid 25%	ND	G	N	G	N	ND	G
Sulphuric Acid 10%	G	G	G	ND	ND	ND	ND
Trichloroacetic Acid 10%	ND	G	ND	ND	N	N	ND
<b>Bases</b>							
Ammonium Hydroxide 25%	N	G	G	N	N	N	G
Sodium hydroxide concentrated	ND	G	N	G	ND	N	G
Sodium Hydroxide 3 Normal	ND	G	G	G	N	N	G
Sodium Hydroxide 32%	N	G	G	G	N	ND	G
Potassium Hydroxide 32%	N	G	N	G	ND	N	ND

# Chemical Compatibility Guide

Membrane types	Membranes						
	Cellulose Nitrate	PTFE	Nylon-66	PVDF	Cellulose Acetate	MCE	PES
<b>Hydrocarbons</b>							
Benzene	G	G	F	G	G	G	G
Hexane, Xylene	G	G	G	G	F	G	N
Toluene	F	G	G	G	F	G	N
Kerosene, Gasoline	ND	G	G	F	F	G	F
Tetralin, Decalin	ND	G	ND	ND	N	ND	ND
<b>Hydrocarbons halogenated</b>							
Chloroform	G	G	G	N	N	G	N
Carbon tetrachloride	G	G	G	F	N	G	F
Methylene Chloride	F	G	F	N	N	N	N
Monochlorobenzene, freon	G	G	G	F	N	G	F
Trichloroethane	G	G	F	G	ND	N	N
Trichloroethylene	G	G	G	N	ND	N	N
<b>Ketones</b>							
Acetone	N	G	G	N	N	N	N
Cyclohexanone	N	G	G	N	N	N	N
Methyl Ethyl Ketone	N	G	G	N	N	N	N
Methyl Isobutyl Ketone	ND	G	ND	N	N	N	N
Isopropyl acetone	ND	G	G	N	ND	ND	N
<b>Esters</b>							
Amyl acetate	N	G	G	F	N	N	F
Benzyl benzoate	ND	G	G	N	ND	ND	N
Butyl acetate	ND	ND	ND	ND	N	N	N
2-ethoxyethyl acetate	ND	G	N	N	ND	ND	N
Ethyl glycol ether	ND	G	G	ND	ND	N	G
Ethyl acetate & methyl acetate	N	G	G	N	N	N	N
Isopropyl myristate	ND	G	G	N	ND	ND	N
Methyl cellosolve acetate	ND	G	N	N	N	ND	N
Petroleum ether	ND	G	G	G	ND	G	ND
Propyl acetate	ND	G	G	N	F	N	N
Propylene glycol acetate	ND	G	N	N	ND	ND	N
Tricresyl phosphate	ND	G	ND	N	ND	ND	N
<b>Oxides-Esters</b>							
Dioxane & tetrahydrofuran	N	G	N	N	N	N	N
Dimethylsulfoxide (DMSO)	N	G	N	N	N	N	N
Ethyl ether	ND	G	G	N	F	ND	G
Isopropyl ether	ND	G	G	N	ND	ND	G
<b>Solvents with nitrogen</b>							
Acetonitrile	N	G	G	N	N	N	N
Aniline	ND	G	ND	ND	N	ND	ND
Dimethyl formamide	N	G	F	N	N	N	N
Diethylacetamide	N	G	G	ND	N	N	ND
Triethanolamine	ND	G	G	ND	ND	ND	ND
Pyridine	N	G	G	N	N	N	N
<b>Miscellaneous</b>							
Formaldehyde solution 30%	G	G	G	G	F	N	G
Phenol, aqueous, 10%	G	G	ND	N	ND	G	N
Hydrogen peroxide 30%	ND	G	G	ND	N	N	ND
Silicone oil & mineral oil	ND	G	ND	G	G	G	G
Sodium dodecyl sulfate	ND	ND	ND	ND	ND	G	ND
Tween 20	ND	G	ND	ND	ND	G	ND
Water	G	G	G	G	G	G	G



HiMedia introduces a range of advanced instruments that will make your research easy and affordable

## ADVANCED INSTRUMENTATION

Product	Prefix	Page
Automated Cell Counters	AI	565-567
Inverted microscopes	AI	568-569
CO <sub>2</sub> Incubators	AI	570-572

## Advanced Instrumentation

Equipment, supplies and analytical instruments are important aspects of cell culture laboratory and are relied on for sensitive detection of cellular events. As the technology has advanced, so has the laboratory environment.

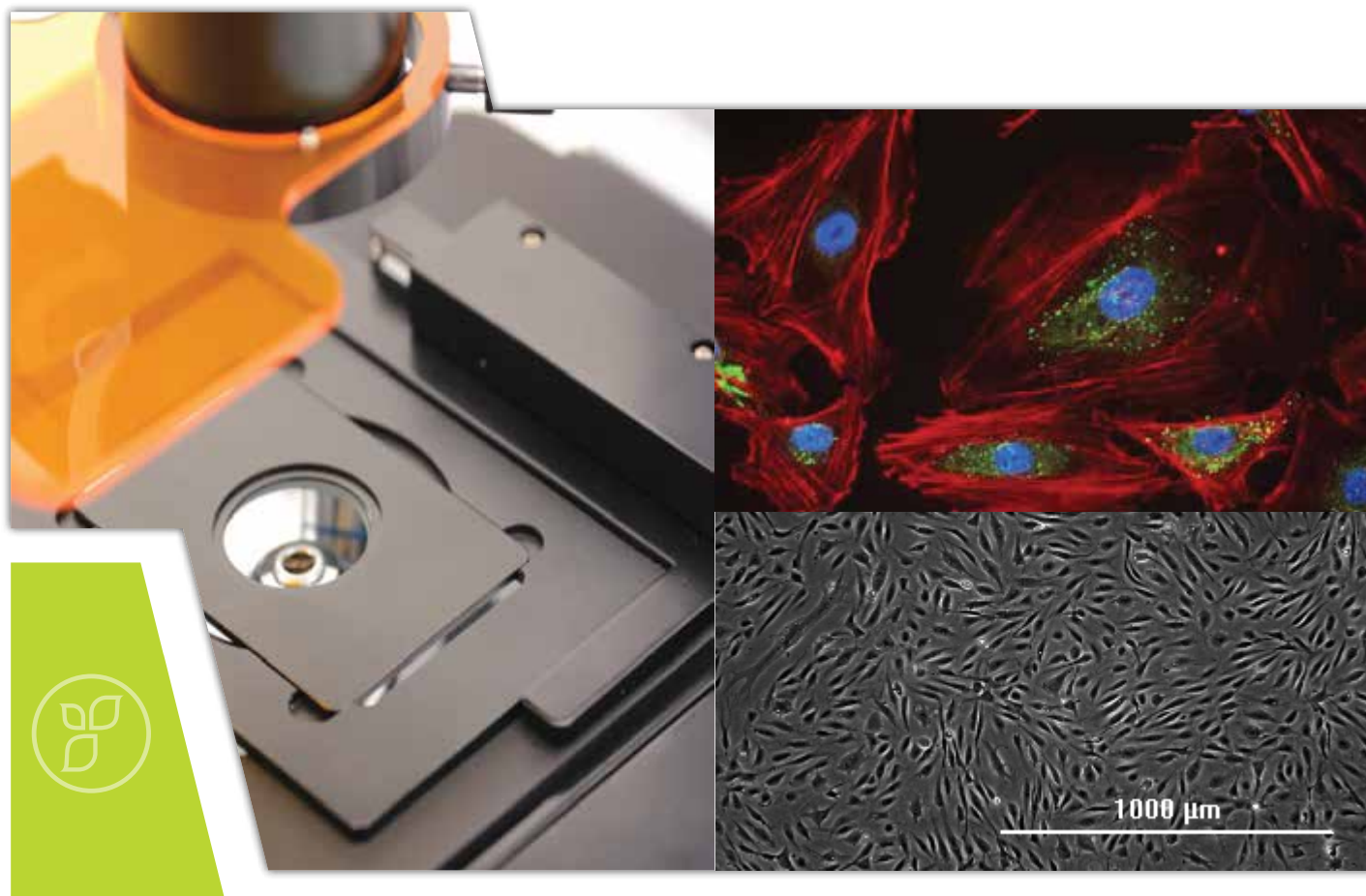
Manual errors, person-to-person variation, inability to count aggregates, makes cell counting one of the most critical challenge in cell culture. To help cell biologists circumvent this challenge, we have introduced CASY - a robust, reproducible and reliable cell counter based on the principle of electrical current exclusion, CASY tracks all relevant parameters of cell culture including cell count, cell viability, cell size and aggregation at extremely low running costs. With a detection range of 0.7 to 120  $\mu\text{m}$ , this is the only machine in the market that counts mammalian cells and stem cells as well as bacteria, yeast, algae, parasites, sperms etc. We guarantee CASY's legendary reliability as it comes with as certified life time calibration, integrated QA system, GLP/GMP compliance and 21 CFR Part 11 compliance.

CO<sub>2</sub> incubator is one of the most important instruments in any cell culture laboratory. They mimic *in vivo* conditions to culture cells under *in vitro* conditions in terms of humidity, carbon dioxide, oxygen and atmospheric pressure. Cell culture CO<sub>2</sub> incubator technology has evolved in many aspects over past few decades. We have introduced CO<sub>2</sub> incubators - a reliable and advanced incubators based on latest air jacketed insulation technology which has many advantages over classical water jacketed incubators. "Air Jacketed" insulation enables quick temperature recovery, uniform temperature and easy maintenance.

We have also introduced another critical instrument required for routine cell culture practices - Inverted Microscopes. These are inverted microscopes with phase contrast objectives and red-green fluorescence filters. You can select an adapter and objective of your choice.

**For more info :**

atc@himedialabs.com | www.himedialabs.com



# Automated Cell Counter

## CASY



**NO LIMITS**

CASY counts  
Mammalian  
Cells,  
Bacteria  
&  
Yeast

### CASY TT

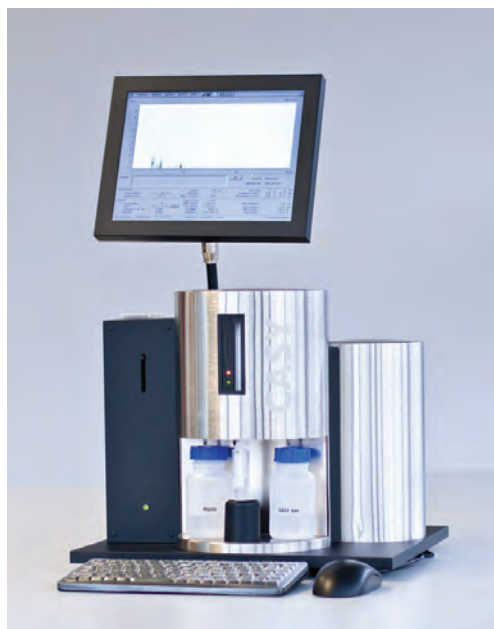
- 20 cell specific setups
- Separate control panel with graphical display
- ASCII data format
- CASYworX PC software
- GLP compliant

### CASY TTC

- GLP/GMP compliant
- 21 CFR Part 11 compliant
- Full audit trails
- 3 different user levels

## Comprehensive cell status with outstanding precision and reproducibility

Code : AI001



Code : AI001

### CASY TT

Cell count, cell volume, cell debris, cell viability and aggregation in less than 10 seconds

- + 20 cell specific setups
- + separate control panel with graphical display
- + ASCII data format
- + CASYworX PC software
- + GLP compliant

Code : AI002

### CASY TTC

Cell count, cell volume, cell debris, cell viability and aggregation in less than 10 second

- + unlimited cell specific setups
- + menu-driven software, Win CE embedded PC, color screen, keypad & mouse
- + binary data format with checksum protection
- + CASYdatadoc PC software
- + GLP/GMP compliant
- + 21 CFR Part 11 compliant
- + full audit trails
- + 3 different user levels
- + electronic signature

## FEATURES

Label-free cell status, instantly.

Within seconds, measurement is performed non-invasively without using distorting dyes.

Statistically relevant data

Analysis of more than 4,000 cells per run enables statistically significant results.

Get the full picture

CASY quantifies all relevant parameters of cells including cell viability, cell size and aggregation – at extremely low running costs.

## HOW IT WORKS

### Counting Cells in just Seconds

Cells suspended in CASYton, a conductive isotonic buffer solution, are drawn through a measuring pore. This pore is defined in size and housed inside the capillary which separates two platinum electrodes, the inner and outer electrode. Here, a low voltage field is cycling with 1 MHz. Each cell or particle passing the measuring pore generates an individual electrical pulse by displacing buffer electrolyte in the measuring pore. This pulse is measured as a cell count.

### Cell Viability – Keep Tabs on Membrane Degradation

As CASY takes the whole pulse area into account, including amplitude and pulse width, high resolution measurements are enabled, allowing to detect slightest changes of the cell membrane's electrical properties. The permeable membrane of dying and dead cells thus allows to identify dead cells by a change in electrical resistance, finally indicating the size of the nucleus.

### Accurate Cell Volume

The combination of amplitude and width of the electrical pulse is proportional to the individual volume of the cell or particle passing the pore. Thus, cell volume can be directly deduced from the change in electrical resistance.

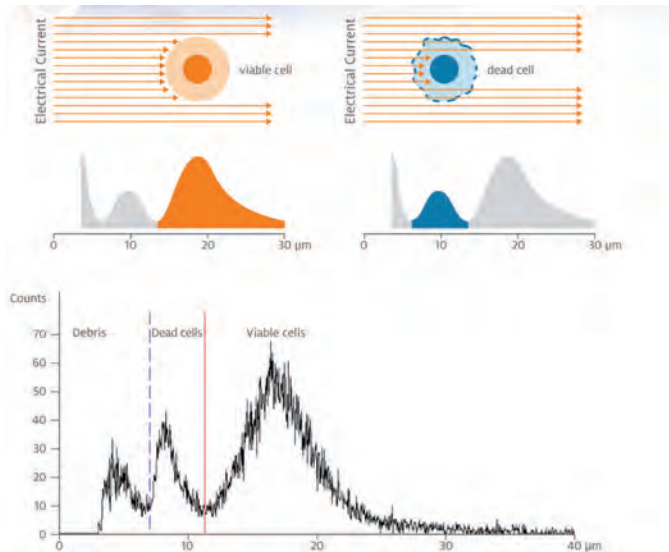
### Biomass & Cell Aggregation – The True Cell Count

Biomass concentration and cell aggregation are essential parameters in any cell culture- and fermentation setting. CASY's measuring principle, including accurate cell volume determination, enables CASY to calculate aggregate volumes. This delivers extremely precise and reliable information on biomass content and aggregation status of your cells in culture. Furthermore, by taking account of cells hidden in aggregates, the true cell count is determined. Thereby drastically improving the accuracy of counting results.

### Cell Debris and the »Comfort Zone« of Your Cells

Cellular debris may dramatically influence cell-based assays and its absence is an excellent indicator verifying that your cells are in the »comfort zone«. The huge dynamic size range of each CASY

measurement provides you with a significant criterion for the usability of the cells in any critical followup experiment – at a single glance. And it does so quickly: typical measurement time of mammalian cells is around 10 seconds.



## Biomass-determination or aggregates?

### CASY delivers accurate volumes

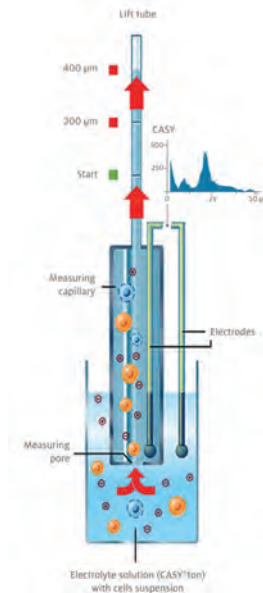
High-frequency scanning of objects and the high dynamic measuring range, enable CASY to precisely measure volumes of cells or objects. Thus, cell aggregates and the entire biomass content of each sample are immediately available.

### Accurate total cell count includes aggregates

Mathematically breaking down aggregates into single cells, CASY optionally counts all cells hidden in aggregates – and thus provides an accurate total cell count.

### No limits. CASY measures cell lines, primary cells, bacteria, yeast, algae, parasites... – you name it

With a detection range of 0.7 – 120  $\mu\text{m}$ , CASY measures all types of mammalian cells and stem cells, as well as bacteria, yeast, algae, parasites, pollen, sperm and more. Any particle in the size range might be measurable – and a lot of various samples have been readily measured.



## Specifications

Measurement principle	Electronic pulse area analysis with 1 million measurements per second acc. to ISO 13319
Viability determination	Electrical Current Exclusion (ECE)
Dynamic range	in volume > 1:70,000 in diameter > 1:40
Measured size channels	512,000
Displayed size channels	1,024 (TTC); 400 (TT)
Measurement range	0.7–120 $\mu\text{m}$
Volume Resolution	1 in 512,000
Typical analysis time	10 seconds
Typical sample volume	5–100 $\mu\text{l}$
Interfaces	TT: RS 232 (2xDB9), Parallel (DB25), TTC: RS 232 (2xDB9), TCP/IP (RJ45), USB (3x), Compact flash memory card



# Inverted Microscopes

IRIS<sup>TM</sup>

IRIS FLO<sup>TM</sup>



Ease of Use



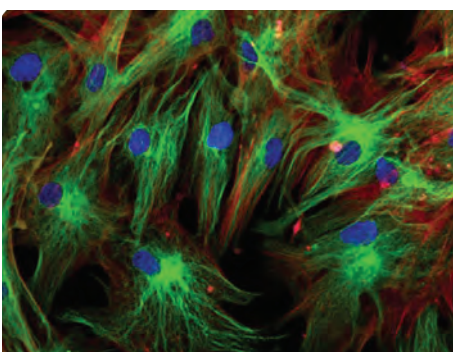
Capture Real-Time Image



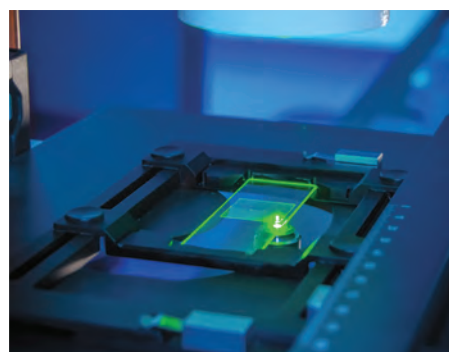
- Quick installation with pre-aligned phase contrast system and pre-aligned LED light source
- 22mm wide specimen area assures easy view
- Removable condenser to increase the working distance (up to 150 mm)
- Ergonomic controls for fast and efficient investigations

- Tinoocular head with in-built photo ports
- Pure white LED illumination captures bright, high resolution images
- Annotate your images and measure distances

Improved Optical Performance



The Latest LED Fluorescence



- Excellent optics with high numerical aperture for brilliant images
- Comprehensive range of objectives for extended versatility 22mm wide specimen area assures easy view
- Full chromatic correction and field planarity for 22mm field
- Equipped with Infinity-Corrected IOS optics

- Lamp lifetime More than 65000 hours approx.
- Power consumption reduced to minimum
- No need to worry about lamp maintenance, replacement and adjustment
- Consistent pure white colour.
- Overall cost effective, moneysaving technology



**AI003**

iRIS™ Inverted Phase Contrast Microscope

**Contents**

1. Plan - achromatic normal objectives - 4X & 40X
2. Plan - achromatic phase objectives - 10X & 20X
3. LED Light source
4. 10X Eye-piece
5. Dust protection cover



**AI004**

iRISFlo™ Inverted Phase Contrast Fluorescence Microscope

**Contents**

1. Plan – achromatic normal objectives - 4X and 40X
2. Plan- achromatic phase objectives - 10X and 20X
3. HBO lamp house Blue and Green filters with Blue Fluorescence: EX 460-490, DM 500, EM520LP; Green Fluorescence: EX 480-550, DM 570, EM 590LP
4. LED Light source
5. 10X Eye-piece
6. Dust protection cover

**Optional Accessories**

<p><b>Mechanical Stage</b></p> <p>Mechanical stage allows you to smoothly and precisely move your slide / other culture vessel while viewing without disturbing the focus. It has two knobs that move the specimen along X-Y axis. It has a clip that hold other holders such as slide holder / petri holder</p> 	AI03.04I-1NO	1 No	<p><b>Holder for single slide and 54mm Petri dish</b></p> <p>This holder can hold 54mm Petri dish and single slide. It needs to be fixed in the mechanical stage (AI03.04I).</p> 	AI03.04F-1NO	1 No
<p><b>Slide Holder</b></p> <p>Slide holder needs to be fixed in the mechanical stage (AI03.04I). It can hold 4 slides at a time. It is used for holding the slides in place so that it can be moved with ease from side to side back and forth.</p> 	AI03.04A-1NO	1 No	<p><b>Eyepiece Microscope Camera</b></p> <p>PC Camera resolution: 5.1MP                  USB 2.0                  This camera fits into the Trinocular viewing tube of microscope. Image analysis software is provided along with the camera that helps modify and analyze the captured images.</p> 	AI03.04H-1NO	1 No
<p><b>38mm Petri dish holder</b></p> <p>This holder can hold Petri dish having 38mm diameter. It should be used with AI03.04E and AI03.04I.</p> 	AI03.04D-1NO	1 No	<p><b>Microscope Cleaning Kit</b></p> <p>This kit contains</p> <ul style="list-style-type: none"> <li>• Liquid Detergent</li> <li>• Five Swabs</li> <li>• Antistatic Cloth 18cms x 15cms</li> <li>• Lint-free Wipes</li> </ul> 	AI03.04G-1NO	1 No
<p><b>Holder for Terasaki and 65mm Petri dish</b></p> <p>This holder can hold Petri dish having 65mm diameter and also a Terasaki plate. It needs to be fixed in the mechanical stage (AI03.04I).</p> 	AI03.04E-1NO	1 No			

## CO<sub>2</sub> Incubators

# CellIX<sup>®</sup>



Dry wall and Air jacketed

Direct heating system on 6 sides

Alarm system

Perforated shelves

Dual beam IR CO<sub>2</sub> sensor

Our CO<sub>2</sub> Incubators are home for your Happy Cells.

They provide your cells with dependable, controlled and protected environment with consistency and ease.

# CellIX® 40L

## AI005

CellIX® CO<sub>2</sub> incubator, 40L  
 Base model  
 with HEPA filter and shelves  
 without dry heat/ UV sterilization unit



# CellIX® 180L

## AI006

CellIX® CO<sub>2</sub> incubator, 180L  
 Base model  
 with HEPA filter and shelves  
 without dry heat/ UV sterilization unit



### AI005 Model

CellIX® CO <sub>2</sub> incubator, 40L with HEPA filter and shelves without dry heat/ UV sterilization unit	AI005-1NO	1 No
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### Accessories for AI005

Dry heat sterilization unit for AI005	AI005A-1NO	1 No
Copper oxide cavity for AI005	AI005B-1NO	1 No
Glass door for AI005 (Five regions)	AI005C-1NO	1 No
Roller base for AI005	AI005D-1NO	1 No
Stacking kit for AI005	AI005E-1NO	1 No

### Common Accessories for AI005 & AI006

Hole for auxiliary monitoring, Dia: 25mm For AI005 and AI006	AI05.06A-1NO	1 No
Oxygen Controller For AI005 and AI006	AI05.06C-1NO	1 No
UV Sterilization unit, 4W UV lamp For AI005 and AI006	AI05.06B-1NO	1 No

### AI006 Models

CellIX® CO <sub>2</sub> incubator, 180L with HEPA filter and shelves without dry heat/ UV sterilization unit	AI006-1NO	1 No
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CellIX® CO <sub>2</sub> incubator, 180L with dry heat sterilization unit (125°C)	<b>New</b> AI006HS-1NO	1 No
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CellIX® CO <sub>2</sub> incubator, 180L with UV Sterilization unit, 4W UV lamp	<b>New</b> AI006UV-1NO	1 No
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CellIX® CO <sub>2</sub> incubator, 180L with dry heat sterilization unit (125°C) and UV Sterilization unit, 4W UV lamp	<b>New</b> AI006HSUV-1NO	1 No
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### Accessories for AI006

Dry heat sterilization unit for AI006	AI006A-1NO	1 No
Copper oxide cavity for AI006	AI006B-1NO	1 No
Glass door for AI006 (Six regions)	AI006C-1NO	1 No
Roller base for AI006	AI006D-1NO	1 No
Stacking kit for AI006	AI006E-1NO	1 No

## Customize your incubator with these options



### Access port

25mm access port is available at left hand side



### UV sterilization

Incubator sterilization can be performed with 4W UV lamp. The UV light doesn't reach the samples and sterilization can be performed during operation.



### Hot Air sterilization

Incubator sterilization can be performed using dry heat (125°C)



### Copper oxide cavity

Copper has natural bactericidal & fungicidal properties. Copper surface eliminate microbial contaminants quickly & effectively.



### O<sub>2</sub> control

Multi gas supply (N<sub>2</sub> & O<sub>2</sub>) can be made available for both the models



### Split Door

5/6 Split Door options available. Helps in lower gas consumption, lower heat loss & faster recovery.



HiMedia provides hands-on training and a range of teaching kits to enhance the skills and understanding of users to various aspects of cell culture

## SKILL DEVELOPMENT MODULE

Product	Prefix	Page
<b>InVitro Skill Development Program 101</b>		
Beginner's Course for Mammalian Cell Culture	IVSD	575
Cell Culture Teaching Kit	CCK	575
Cell Proliferation and Cytotoxicity Assay Teaching Kits	CCK	576
Transfection Teaching Kits	CCK	576
<b>InVitro Skill Development Program 201</b>		
Beginner's Course for Stem and Primary Cell Culture	IVSD	577
Stem Cell Teaching Kits	CCK	577-578
Primary Cell Teaching Kits	CCK	578

Product	Prefix	Page
<b>InVitro Skill Development Program 301</b>		
Fundamentals of Cytogenetics	IVSD	579
Karyotyping Teaching Kits	CCK	579
<b>Regulatory Affairs Program 401</b>		
Introduction to Regulatory Affairs	RAP	580

# Skill Development Modules

## Skills strengthen you

... You strengthen India ~ Narendra Modi

Innovation begins with the right choices and innovators need to be equipped with the right skills. It has been HiMedia's endeavor to promote science and technology in the field of life science. While working in pursuit of this endeavor, we have identified that there are extra skills required by the industry. Graduates and post graduates need to be equipped with these skills when they step out of

their educational institutions. We, at HiMedia understand this and hence are launching a Skill Development Program to groom our budding scientist for the industry.

We have divided the program in to two modules, one on basic skills required in animal cell culture and second an advanced program for higher applications used in Biopharma, Cell therapy and Regenerative medicine, Drug discovery, Vaccine industry etc.

## What do you gain ?



# InVitro Skill Development Program 101

## Beginner's Course for Mammalian Cell Culture

Specially designed for beginners with focus on practical aspects of mammalian cell culture

Module code: **IVSD101A - Demo**

**IVSD101B - Hands-on**

### Course description

Mammalian cell culture has become a major field in biotechnology. It is an integral tool in the research and advances in human health. The course is aimed to bridge the gap between the academics and industries. Cell Culture Basics module is specially designed for the beginners and will focus on the practical aspects of mammalian cell culture. Students often get a very limited exposure to mammalian cell culture through the syllabus. This course will be a perfect add-on of the practical experience to the existing syllabus. It will help the students understand the principles of cell culture and make them competent enough for the further research.

### Course Contents

1. Aseptic techniques
2. Complete media preparation
3. Cell thawing
4. Viability assessment
5. Cell counting
6. Sub-culturing of cells
7. Lecture on techniques involved in mammalian cell culture

Demo  
Module

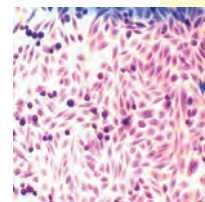
Hands-on  
Module

### Cell Culture Teaching Kit

Product	Code	Packing	Price in ₹
<b>HiPer® Animal Tissue Culture Teaching Kit</b> Animal Tissue Culture Teaching Kit exclusively offers a convenient approach for teaching basic animal cell culture techniques like cell revival, subculturing, viability testing and cell maintenance. Ready-to-use components as well as detailed information manual supplied in the kit makes the learning trouble-free and suitable for educational purposes. The kit is designed in a way that facilitates growth of cells in a non-CO <sub>2</sub> environment.	<b>CCK005-1KT</b>	<b>1 kit for 10 subcultures</b>	

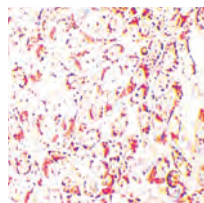
### Microscopy Slide Sets

Product	Code	Packing	Price in ₹
<b>Microscopy Slide Set for Mammalian Cell lines</b> Contains a set of slides of five cell lines: a) BHK-21 b) CHO c) Vero d) HEK-293 e) Sp2/O  Chinese Hamster Ovary (CHO) cells (20X)	<b>CCK044-1NO</b>		

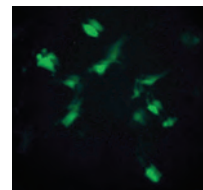




Product	Code	Packing	Price in ₹
<b>Cell Proliferation and Cytotoxicity Assay Teaching Kits</b>			
<b>HiPer® MTT Cell Assay Teaching Kit</b> <i>In vitro</i> Cell Viability Assay Kit MTT Cell Assay Teaching kit exclusively offers a convenient tool for teaching <i>in vitro</i> cell proliferation and cytotoxicity using standard microplate absorbance reading. The protocol is based on quantitative measurement of reduction in tetrazolium salt MTT to purple formazan crystals by metabolically active cells in culture.	CCK020-100	Kit for 100 tests in 96 well format	
<b>HiPer® Neutral Red Cell Assay Teaching Kit</b>  Intracellular lysosomes in CHO cells stained with Neutral Red (40X)	CCK033-100	Kit for 100 tests in 96 well format	



Product	Code	Packing	Price in ₹
<b>Transfection Teaching Kits</b>			
<b>HiPer® Transfection Teaching Kit</b> Transfection Teaching Kit provides effective and reproducible DNA transfection into mammalian cells. This kit also provides reagent for observation of transfected DNA by using $\beta$ -galactosidase system. Culture of Vero cells transfected with GFP plasmid (100X)	CCK042-1KT	1 Kit for 24 tests in 24 well format	



# InVitro Skill Development Program 201

## Beginner's Course for Stem and Primary Cell Culture

Introduction to stem cell therapy and regenerative medicine

### Course description

Module code: **IVSD201A - Demo**  
**IVSD201B - Hands-on**

Stem cells have a great potential in tissue regeneration and repair and successful culturing of the stem cells is the basis of stem cell therapy. Culturing stem cells module is designed for the beginners to understand the intricate details involved in handling of stem cells. This course will be a perfect platform for the students to take a closer look at the mesenchymal stem cells. It will help the students understand the principles of stem cell culture and make them competent enough for the further research

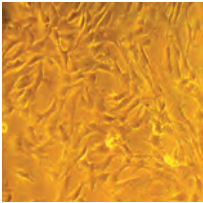
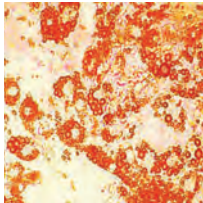
## Demo Module

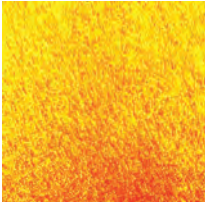

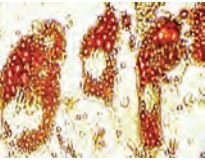

### Course Contents

1. Aseptic techniques
2. Stem Cell media preparation
3. Stem Cell thawing
4. Viability assessment
5. Cell counting
6. Sub-culturing of Stem Cells
7. Lecture on challenges involved in stem cell culture and regenerative medicine

## Hands-on Module

## Stem Cell Teaching Kits

Product	Code	Packing	Price in ₹	Product	Code	Packing	Price in ₹
<b>HiPer® Stem Cell Expansion Teaching Kit</b> Stem Cell Expansion teaching kit is a convenient tool for learning expansion and proliferation of stem cells. This kit comprises of a proliferating T12.5cm <sup>2</sup> flask of stem cells and its expansion medium along with other reagents required for its subculture. A detailed information manual is supplied with the kit for trouble-free learning.	<b>CCK038-1KT</b>	<b>1 Kit</b>		<b>HiPer® Adipogenesis Assay Teaching Kit</b> Adipogenesis Assay teaching kit offers an excellent teaching approach for understanding of differentiation of 3T3-L1 pre-adipocytes to adipocytes. All the components in the kit are ready to use which facilitates trouble free learning.	<b>CCK021-25NO</b>	<b>Kit for 25 tests in 96 well format</b>	
 <p>Phase contrast microscopy of HAD-MSC (40X)</p>				 <p>Lipid droplets in 3T3-L1 cells differentiated into adipocytes stained red in colour by Oil Red O (40X)</p>			

Product	Code	Packing	Price in ₹
<p><b>HiPer® Osteogenesis Assay Teaching Kit</b> Osteogenesis Assay teaching kit offers an excellent teaching approach to study differentiation of MC3T3E1 Preosteocyte cells to mature osteoblasts</p> <p>Calcium deposits in MC3T3-E1 cells differentiated into osteoblasts stained red in colour by Alizarin Red S (40X)</p> 	CCK050-25NO	Kit for 25 tests in 96 well format	
<p><b>HiPer® Teaching Kit for Chondrogenic Differentiation and Staining</b> Stem Cell Differentiation and Staining teaching kits are specially designed to promote the learning of stem cell differentiation and staining. These kits offer a convenient means of studying differentiation of mesenchymal stem cells into chondrogenic lineage. The kit comprises of a proliferating T12.5cm<sup>2</sup> flask of mesenchymal stem cells alongwith medium, reagents and consumables required for differentiation and staining of cells.</p> <p>Alcian Blue staining of Chondrocytic Differentiation of HWJ-MSC in HiChondroXL™ Chondrocyte Differentiation Medium (20X)</p> 	CCK041-1KT	1 Kit for 5 tests	
<p><b>HiPer® Teaching Kit for Adipogenic Differentiation and Staining</b> Stem Cell Differentiation and Staining teaching kits are specially designed to promote the learning of stem cell differentiation and staining. These kits offer a convenient means of studying differentiation of mesenchymal stem cells into adipogenic lineage. The kit comprises of a proliferating T12.5cm<sup>2</sup> flask of mesenchymal stem cells alongwith medium, reagents and consumables required for differentiation and staining of cells.</p> <p>Oil Red O staining of Adipogenic Differentiation of HAD-MSC (40X)</p> 	CCK039-1KT	1 Kit for 5 tests in 48 well format	
<p><b>HiPer® Teaching Kit for Osteogenic Differentiation and Staining</b> Stem Cell Differentiation and Staining teaching kits are specially designed to promote the learning of stem cell differentiation and staining. These kits offer a convenient means of studying differentiation of mesenchymal stem cells into osteogenic lineage. The kit comprises of a proliferating T12.5cm<sup>2</sup> flask of mesenchymal stem cells alongwith medium, reagents and consumables required for differentiation and staining of cells.</p> <p>Alizarin Red S staining of Osteogenic Differentiation of HWJ-MSC in HiOsteoXL™ Osteogenic Differentiation Medium (40X)</p> 	CCK040-1KT	1 Kit for 5 tests in 48 well format	

Product	Code	Packing	Price in ₹
<b>Primary Cell Teaching Kits</b>			
<p><b>HiPer® Chick Embryo Fibroblast Culture Teaching Kit</b> Chick Embryo Fibroblast Culture Teaching Kit has been developed for isolation of Chick embryo fibroblast cells from embryonated eggs and culturing of primary fibroblasts <i>in vitro</i></p>	CCK059-5PR	1 kit for processing of 5 eggs	
<p><b>HiPer® Teaching Kit for Lymphocyte Isolation and Staining</b> Lymphocyte Isolation and Staining Teaching Kit has been developed for teaching isolation of Lymphocytes from whole blood and visualization of the separated lymphocytes by Giemsa staining</p>	CCK060-5PR	1 kit for 5 isolations	

# InVitro Skill Development Program 301

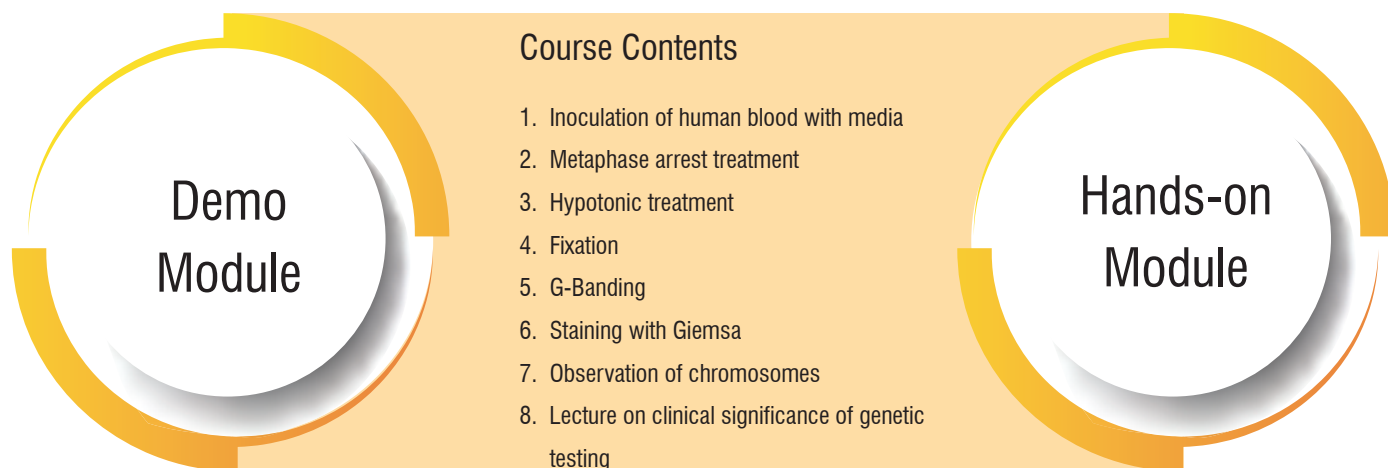
## Fundamentals of Cytogenetics

Introduction to methods in genetic diagnostics

Module code: **IVSD301A - Demo**  
**IVSD301B - Hands-on**

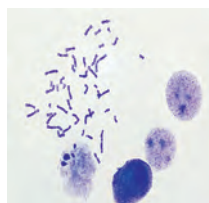
### Course description

Genetic testing is an important tool in early diagnosis of many genetic disorders. Karyotype analysis is the primary method used for genetic testing. Analysis using peripheral blood includes growing the non-multiplying lymphocytes and then slide preparations to visualize the chromosomes. The module -Fundamentals of Karyotyping, offers an easy approach for teaching short term in vitro culture of peripheral blood lymphocytes for cytogenetic studies. The objective of this module is to provide the beginners training and basic understanding of karyotyping



### Karyotyping Teaching Kits

Product	Code	Packing	Price in ₹	Product	Code	Packing	Price in ₹
<b>HiPer® Karyotyping Teaching kit</b> Cytogenetics includes metaphase and pro-metaphase studies carried out on lymphocytes to detect chromosomal aberrations associated with structural and numerical abnormalities. Karyotyping Teaching Kit offers an easy approach for teaching short term <i>in vitro</i> culture of peripheral blood lymphocytes for cytogenetic studies. Karyotyping protocol includes growing the non-multiplying lymphocytes and then slide preparations to visualize the chromosomes. A detailed information manual supplied in the kit makes learning trouble-free for educational purposes. Lymphocytes and chromosomes stained with Giemsa (40X)	CCK012-1KT	1 kit for 10 mitotic spreads		<b>HiPer® G-Banding Teaching Kit</b> <i>In vitro</i> Cell Viability Assay Kit Cytogenetic testing is an important screening tool in clinical genetics. G-banding is one of the most widely used technique in diagnosis of genetic alterations as it facilitates recognition of individual chromosomes. G-banding Teaching kit offers a convenient approach for teaching the G-banding technique and visualization of chromosome bands under a light microscope. Distinctive Pattern of light and dark bands on chromosomes obtained by Giemsa Staining (100X)	CCK043-1KT	1 Kit	



# Regulatory Affairs Program 401

## Introduction to Regulatory Affairs

The back bone of pharma and biopharma industries

Module code: **RAP401**

### Course description

This module focuses on the concept of regulatory affairs which is the backbone of pharma and biopharma industries. Regulations play a very crucial role in bioscience and health care industries and is involved in all stages starting from drug development to drug registration approval and marketing. This module is designed to give thorough knowledge of regulatory affairs to the students desiring a career as regulatory professionals

### Course contents

1. Basic Fundamentals of Regulatory Affairs
2. Introduction to Regulatory Bodies
3. GMP Regulations
4. Common Technical Documents –CTD, eCTD & ACTD
5. Current Challenges in Regulatory
6. Industry specific case studies