

# Certificate of Analysis



<b>Certificate of Analysis ID:</b>	<b>1106750500_VM1037075_EN</b>
<b>Producer and client:</b>	<b>Merck KGaA, Frankfurter Str. 250, 64293 Darmstadt, Germany</b>
<b>Test laboratory:</b>	<b>Merck KGaA Qualitätskontrolle für mikrobiologische Produkte Frankfurter Str. 250, 64293 Darmstadt, Germany</b>
<b>Sample identification:</b>	<b>GranuCult® GIOLITTI-CANTONI Broth (Base) acc. ISO 6888</b>
<b>Ordering number:</b>	<b>1.10675.0500</b>
<b>Lot number:</b>	<b>VM1037075</b>
<b>Sample ID:</b>	<b>201335085</b>
<b>Accreditation:</b>	
<b>Test method:</b>	<b>DIN EN ISO 11133:2020</b> <b>Performance testing of liquid culture media:</b> Qualitative tube method for performance testing of selective liquid media.
<b>Date of analysis:</b>	2022/12/20
<b>Date of release:</b>	2023/01/17
<b>Minimum shelf life:</b>	2027/11/30
<b>Composition (g/l):</b>	Enzymatic digest of casein 10.0; Meat extract 5.0; Yeast extract 5.0; Lithium chloride 5.0; D(-)Mannitol 20.0; Sodium chloride 5.0; Glycine 1.2; Sodium pyruvate 3.0; Tween® 80 1.0.
<b>Preparation &amp; sterilization:</b>	Dissolve 55.0 g in 1 liter of purified water. Distribute 9 ml portions into tubes. Autoclave (15 minutes at 121°C). Add to each tube 0.1 ml of a filter-sterilized 1% aqueous solution of Potassium tellurite hydrate, Cat. No. 105164.0100.
<b>Application:</b>	For the enumeration and detection of coagulase-positive staphylococci (Staphylococcus aureus and other species) from food and animal feeding stuff as well as from environmental samples in the area of food production and food handling.
<b>Storage:</b>	Store at +15 °C to +25 °C tightly closed in the original container; protect from light.

The reported results refer exclusively to the specified medium, see Certificate of Analysis ID.

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Physical parameters	Specification	Lot value
Appearance (clarity):	clear	clear
Appearance (color):	yellowish-brown	yellowish-brown
pH-value (25 °C):	6.7 – 7.1	6.8

## Microbiological Performance

### Qualitative single tube method for selective liquid enrichment media with a mixture of target and non-target microorganisms in the same tube

Test strain (mixture)	Specification		Lot value	
	Inoculum	Growth	Inoculum	Growth
Staphylococcus aureus ATCC® 25923 [WDCM 00034] +	≤ 100 CFU	> 10 black or grey colonies with clear halo on BAIRD PARKER agar	64 CFU	passes test > 10 black or grey colonies with clear halo on BAIRD PARKER agar
Escherichia coli ATCC® 25922 [WDCM 00013]	≥ 10 <sup>4</sup> CFU		94000 CFU	
Staphylococcus aureus ATCC® 6538 [WDCM 00032] +	≤ 100 CFU	> 10 black or grey colonies with clear halo on BAIRD PARKER agar	39 CFU	passes test > 10 black or grey colonies with clear halo on BAIRD PARKER agar
Escherichia coli ATCC® 8739 [WDCM 00012]	≥ 10 <sup>4</sup> CFU		81000 CFU	

### Qualitative single tube method for selective liquid enrichment media with non-target microorganisms

Test strain	Specification		Lot value	
	Inoculum	Growth	Inoculum	Growth
Escherichia coli ATCC® 25922 [WDCM 00013]	≥ 10 <sup>4</sup> CFU	Total inhibition on Tryptic Soy Agar	94000 CFU	passes test Total inhibition on Tryptic Soy Agar
Escherichia coli ATCC® 8739 [WDCM 00012]	≥ 10 <sup>4</sup> CFU	Total inhibition on Tryptic Soy Agar	81000 CFU	passes test Total inhibition on Tryptic Soy Agar

**Incubation:** 24 ± 2 hours to 48 ± 2 hours at 37 ± 1 °C aerobic  
E.coli 48 ± 2 hours at 37 ± 1 °C aerobic

**Reference medium (inoculum):** Tryptic Soy Agar

**Confirmation medium:** BAIRD PARKER agar resp. Tryptic Soy Agar

**Release:** Culture medium released by Approving Officer or delegate LS-OII-QS6

Dr. Stefanie Fischer

Responsible Manager of LS-OII-QS6 (Test Laboratory D-PL-15185-01-00)

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Certificate of analysis revision history:

Certificate version	Date	Status	Reason for version
01	2023/01/17	effective	Initial version

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