Certificate of Analysis

Certificate of Analysis ID:	**1001880004_HC328655_EN**
Producer and client:	**Merck KGaA, Frankfurter Str. 250, 64293 Darmstadt, Germany**
Test laboratory:	**Merck KGaA Qualitätskontrolle für mikrobiologische Produkte Frankfurter Str. 250, 64293 Darmstadt, Germany**
Sample identification:	**Rambach® agar ref. to ISO 6579 (Kit) Chromocult®**
Ordering number:	**1.00188.0004**
Lot number:	**HC328655**
Sample ID:	**201408925**
Accreditation:	DAkkS Deutsche Akkreditierungsstelle D-PL-15185-01-00
Test method:	**DIN EN ISO 11133:2020** **Performance testing of solid culture media:** Qualitative testing
Date of analysis:	2023/08/14
Date of release:	2023/09/15
Minimum shelf life:	2025/12/31
Composition (g/l):	Peptone 8.0; Sodium chloride 5.0; Sodium deoxycholate 1.0; Chromogenic Mix 1.5; Propylene glycol 10.5; Agar-Agar 15.0.
Preparation & sterilization:	Add 1 vial of liquid-mix to distilled water and mix by swirling until completely dissolved. (The water quantity is dependent on the respective pack size.) Add 1 vial of nutrient-powder and mix by swirling until completely suspended. Heat in a boiling water-bath or in a current of steam, while carefully shaking from time to time. The medium is totally dissolved, if no visual particles stick to the glass-wall. The medium should not be heat-treated further! Standard time for complete dissolution (shaking in 5 minutes sequence): 250 ml: 20–25 minutes; 1000 ml: 35–40 minutes. Do not autoclave, do not overheat! Cool the medium as fast as possible in a water-bath (45–50 °C). During this procedure (max.: 30 minutes) gently shake the medium from time to time. Pour into plates.
Application:	For the isolation and differentiation of Salmonella from food and animal feed, water and other materials.
Storage:	Store at +15 °C to +25 °C, dry and tightly closed. Do not use clumped or discolored medium. Protect from UV light (including sun 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):	opaque	opaque
Appearance (color):	pink	pink
pH-value (25 °C):	7.1 – 7.5	7.2

Microbiological Performance

Test strain	Specification		Lot value	
	Growth	typical reaction	Growth	typical reaction
Salmonella typhimurium ATCC® 14028 [WDCM 00031]	good	pink-reddish to crimson colonies	good	pink-reddish to crimson colonies
Salmonella enteritidis ATCC® 13076 [WDCM 00030]	good	pink-reddish to crimson colonies	good	pink-reddish to crimson colonies
Salmonella abaetetuba ATCC® 35640 [WDCM -]	good	pink-reddish to crimson colonies	good	pink-reddish to crimson colonies
Salmonella abortivoequina ATCC® 9842 [WDCM -]	good	colourless to yellowish colonies	good	colourless to yellowish colonies
Salmonella arizonae ATCC® 13314 [WDCM -]	good	blue to purple-violet colonies	good	blue to purple-violet colonies
Salmonella diarizonae ATCC® 12325 [WDCM -]	good	purple-violet colonies	good	purple-violet colonies
Escherichia coli ATCC® 25922 [WDCM 00013]	weak to good	bluish-greenish colonies	good	bluish-greenish colonies
Klebsiella pneumoniae ATCC® 13883 [WDCM 00097]	weak to good	blue to blue violet colonies	good	blue to blue violet colonies
Proteus mirabilis ATCC® 29906 [WDCM 00023]	weak to good	colourless to yellowish colonies	weak	colourless to yellowish colonies
Pseudomonas aeruginosa ATCC® 27853 [WDCM 00025]	no limit	colourless to yellowish-orange colonies; yellowish-green to blue colouration of the medium in areas of heavy growth	good	colourless to yellowish-orange colonies; yellowish-green to blue colouration of the medium in areas of heavy growth
Staphylococcus aureus ATCC® 25923 [WDCM 00034]	none	n.a	none	n.a.
Bacillus cereus ATCC® 11778 [WDCM 00001]	none	n.a.	none	n.a.
Incubation:	22 ± 2 h at 35 ± 1 °C, aerobic			

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Release: Culture medium released by Approving Officer or delegate LS-SC-PCDQS6

Dr. Lukas Mechler

Responsible Manager of LS-SC-PCDQS6 (Test Laboratory D-PL-15185-01-00)

Certificate of analysis revision history:

Certificate version	Date	Status	Reason for version
01	2023/09/15	effective	Initial version