

Certificate of Analysis



Certificate of Analysis ID: 1077000500_VM1117900_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: GranuCult® prime
RVS (RAPPAPORT-VASSILIADIS-Soya) broth
acc. ISO 6579, ISO 19250, EN 15215 and USDA-FSIS

Ordering number: 1.07700.0500

Lot number: VM1117900

Sample ID: 201563875

Accreditation:



Test method: DIN EN ISO 11133:2020
Performance testing of liquid culture media:
Qualitative tube method for performance testing of selective liquid media.

Date of analysis: 2025/02/10

Date of release: 2025/02/13

Minimum shelf life: 2028/01/31

Composition (g/l): Enzymatic digest of soya 4.5; Magnesium chloride anhydrous 13.4 (equivalent to 28.6 g/l magnesium chloride hexahydrate); Sodium chloride 7.2; di-Potassium hydrogen phosphate 0.18 and Potassium dihydrogen phosphate 1.26 (equivalent to 1.44 g/l KH₂PO₄ + K₂HPO₄); Malachite green oxalate 0.036.

Preparation & sterilization: Dissolve 26.6 g in 1 l of purified water. Dispense into tubes or flasks and autoclave 15 min at 115 °C.

Application: For the selective enrichment of Salmonella spp. from products intended for human consumption and for the feeding of animals, environmental samples in the area of food production and food handling, samples from the primary production stage, water, sludge 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.

Certificate of Analysis



Physical parameters	Specification	Lot value
Appearance (clarity):	clear, possibly with a slight precipitate	passes test
Appearance (color):	darkblue	passes test
pH-value (25 °C):	5.0 – 5.4	5.2

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
Salmonella Typhimurium ATCC® 14028 [WDCM 00031] + Escherichia coli ATCC® 25922 [WDCM 00013] + Pseudomonas aeruginosa ATCC® 27853 [WDCM 00025]	≤ 100 CFU	> 10 colonies with black center on XLD agar	63 CFU	passes test > 10 colonies with black center on XLD agar
	≥ 10000 CFU		50000 CFU	
	≥ 10000 CFU		45000 CFU	
Salmonella Enteritidis ATCC® 13076 [WDCM 00030] + Escherichia coli ATCC® 8739 [WDCM 00012] + Pseudomonas aeruginosa ATCC® 27853 [WDCM 00025]	≤ 100 CFU	> 10 colonies with black center on XLD agar	78 CFU	passes test > 10 colonies with black center on XLD agar
	≥ 10000 CFU		80000 CFU	
	≥ 10000 CFU		45000 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® 8739 [WDCM 00012]	≥ 10000 CFU	Partial inhibition ≤ 100 colonies on Tryptic Soy Agar (TSA)	80000 CFU	passes test Partial inhibition ≤ 100 colonies on Tryptic Soy Agar (TSA)
Escherichia coli ATCC® 25922 [WDCM 00013]	≥ 10000 CFU	Partial inhibition ≤ 100 colonies on Tryptic Soy Agar (TSA)	50000 CFU	passes test Partial inhibition ≤ 100 colonies on Tryptic Soy Agar (TSA)
Enterococcus faecalis ATCC® 19433 [WDCM 00009]	≥ 10000 CFU	< 10 colonies on Tryptic Soy Agar (TSA)	44000 CFU	passes test < 10 colonies on Tryptic Soy Agar (TSA)

Certificate of Analysis



Test strain	Specification		Lot value	
	Inoculum	Growth	Inoculum	Growth
Enterococcus faecalis ATCC® 29212 [WDCM 00087]	≥ 10000 CFU	< 10 colonies on Tryptic Soy Agar (TSA)	61000 CFU	passes test < 10 colonies on Tryptic Soy Agar (TSA)

Incubation: 24 \pm 3 hours at 41.5 \pm 1 °C, aerobic

Reference medium (inoculum): Tryptic Soy Agar

Confirmation medium: XLD agar resp. Tryptic Soy Agar

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	2025/02/13	effective	Initial version