Dr. Möller & Schmelz GmbH
Corporation for Applied Microbiology

Enterococcus Selective-Agar (Slanetz Bartley)

Version:	07/2022
M&S Item numbers:	5240 (25 x 20 ml) and 5241 (4 x 250 ml)
Profile:	Glass tubes and polycarbonate bottles
Color:	Light red
Storage:	Dark and dry at 4 – 12 °C
Shelf life:	8 months after production

Description and application range

Enterococcus Selective-Agar is used for the detection and selective colony count of intestinal enterococci in drinking water and other samples. The formulation is according to Slanetz and Bartley and in accordance with DIN EN ISO 7899-2:2000. The presence of sodiumazide inhibits the growth of other bacteria than enterococci and provides a high selectivity for them. TTC is metabolized from bacteria to red Formazan and facilitates counting of the small colonies. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd. 2:2020 and ISO/DIS 7704 standard.

Typical composition

Enzymatic digest of casein	20.0 g/l
Yeast extract	5.0 g/l
Di-potassium hydrogenphosphate	4.0 g/l
Dextrose	2.0 g/l
Sodium azide	0.4 g/l
2,3,5-Triphenyltetrazolium chloride (TTC)	0.1 g/l
Bacteriological Agar	10.0 g/l

Final pH: 7.2 ± 0.2 at 25 °C

Microbiological quality control

Bacterial contamination
Incubation: aerobically at room temperature for 3 days, specification: no growth

Productivity quantitative analysis
Incubation: aerobically at 36 ± 2 °C for 44 ± 4 h, approx. inoculum: 50 – 120 CFU

Microorganism	Test strain	Specification	Appearance
Enterococcus faecalis	WDCM 00009	$P_R \geq 0.5$	Red colonies
Enterococcus faecalis	WDCM 00087	$P_R \geq 0.5$	Red colonies
Enterococcus feacium	WDCM 00177	$P_R \geq 0.5$	Small red colonies

P_R productivity rate (recovery rate)

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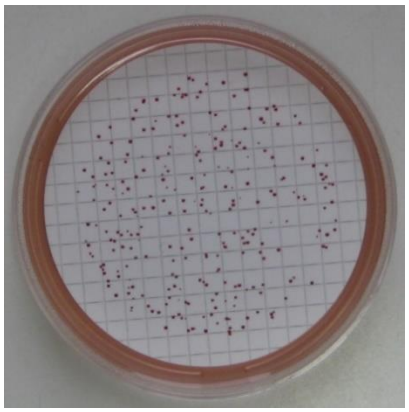
Selectivity qualitative analysis
Incubation: aerobically at 36 ± 2 °C for 44 ± 4 h, approx. inoculum: 10,000 – 1,000,000 CFU

Microorganism	Test strain	Specification	Appearance
Escherichia coli	WDCM 00012	Full inhibition	Fully inhibited
Staphylococcus aureus	WDCM 00034	Full inhibition	Fully inhibited

Pure culture of *Enterococcus faecalis* after 40 hours at 37 °C



Membran filtration with *Enterococcus faecalis* after 40 hours at 37°C

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