

Enterococcus-NPS (Slanetz Bartley)

Version: 01/2020
M&S item numbers: 1091 (50 / PK) and 1091-H (100 / PK)
Profile: Dehydrated nutrient pad sets 50 mm in petri dishes, sterile
Color: Beige to light reddish
Storage: Dark and dry at room temperature
Shelf life: 2 years after sterilization

Description and application range

Enterococcus-NPS are used for the detection and selective colony count of intestinal enterococci in drinking water and other samples. The formulation is in accordance with DIN EN ISO 7899-2:2000. The presence of sodium azide inhibits the growth of other bacteria than enterococci and provides a high selectivity for them. TTC (2,3,5-Triphenyltetrazoliumchloride) 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 1:2018 standard.

Typical composition

Tryptose	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
TTC	0.1 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

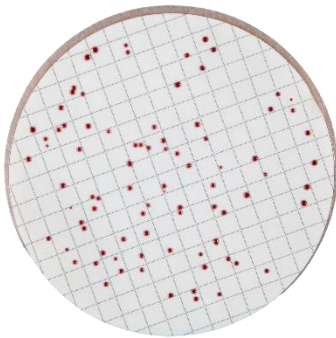
Incubation: aerobically at 36 ± 2 °C for 44 ± 4 h, approx. inoculum: 80 – 120 CFU

Microorganism	Test strain	Specification	Appearance
<i>Enterococcus faecalis</i>	WDCM 00009	$P_R \geq 0,5$	Dark red, small
<i>Enterococcus faecium</i>	WDCM 00177	$P_R \geq 0,5$	Light red, small

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
<i>Escherichia coli</i>	WDCM 00012	Full inhibition	-
<i>Staphylococcus aureus</i>	WDCM 00034	Full inhibition	-



Pure culture of *Enterococcus faecalis* after 24 hours at 37 °C