

VRBD-NPS

Version: 10/2017
M&S item numbers: 1225 (50 / PK) and 1225-H (100 / PK)
Profile: Dehydrated nutrient pad sets 50 mm in petri dishes, sterile
Color: Light red
Storage: Dark and dry at room temperature
Shelf life: 2 years after sterilization

Description and application range

VRBD-NPS are used for the determination of enteric bacteria from water, food and other samples. One characteristic for enteric bacteria is the formation of acids from dextrose, which is indicated by red colonies due to the neutral red indicator. Growth of accompanying microorganisms is inhibited by crystal violet and bile salts. Note: Growth on this medium can only be taken as hint. For confirmation further tests need to be performed. The medium is manufactured and quality tested in compliance with ISO 11133:2014 standard.

Typical composition

Enzymatic digest of animal tissue	7.0 g/l
Yeast extract	3.0 g/l
Sodium chloride	5.0 g/l
Bile salts	1.5 g/l
Dextrose	10.0 g/l
Neutral red	0.05 g/l
Crystal violet	0.002 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 37 ± 1 °C for 24 ± 2 h, approx. inoculum: 80 – 120 CFU

Microorganism	Test strain	Specification	Appearance
<i>Escherichia coli</i>	WDCM 00012	$P_R \geq 0,5$	Red
<i>Enterobacter aerogenes</i>	WDCM 00175	$P_R \geq 0,5$	Light red