Violet Red Bile Glucose Agar
(VRBD)

TN1148 500 g

Intended use
Used for the isolation and determination of the germ count of Enterobacteriaceae in food. Microbiological quality control is carried out in accordance with ISO 11133 specifications in an EN ISO/IEC 17025 accredited test laboratory.

Form
Powder

Colour
Beige

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
5 years

Directions
Suspend 37.5 g in 1 litre distilled water and bring to the boil while stirring. Boil for 1-2 minutes until completely dissolved. Do not autoclave! Mix well before pouring.

Typical composition (g/l)

Meat peptone	7.0
Yeast extract	3.0
Sodium chloride	5.0
Bile salts No. 3	1.5
Glucose	10.0
Neutral red	0.03
Crystal violet	0.002
Agar	11.0

Final pH at 25 °C
7.4 ± 0.2

Microbiological quality control
Incubation: aerobically 22-26 hours at 37 ± 1 °C

Test strain	CFU/plate	Recovery rate in % *)	Colony appearance
Escherichia coli ATCC 8739 WDCM 00012	80-120	≥ 50 %	pink to red colonies with possible precipitate halo
Escherichia coli ATCC 25922 WDCM 00013	80-120	≥ 50 %	pink to red colonies with possible precipitate halo
Salmonella Typhimurium ATCC 14028 WDCM 00031	80-120	≥ 50 %	pink to red colonies with possible precipitate halo
Salmonella Enteritidis ATCC 13076 WDCM 00030	80-120	≥ 50 %	pink to red colonies with possible precipitate halo
Shigella flexneri ATCC 25929	80-120	≥ 50 %	red colonies
Enterococcus faecalis ATCC 19433 WDCM 00009	10^4-10^6	≤ 0,1 %	n.a.
Enterococcus faecalis ATCC 29212 WDCM 00087	10^4-10^6	≤ 0,1 %	n.a.
Staphylococcus aureus ATCC 6538 WDCM 00032	10^4-10^6	≤ 0,1 %	n.a.

*) Reference medium used: TSA
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

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