Salmonella Shigella Agar, modified
SS Agar, modified

TN1221 500 g
TN1221-01 5 kg

Intended use

Used for isolation of salmonella and shigella. The growth of gram-positive micro-organisms is inhibited, the swarming of *proteus* sp. is suppressed. No IVD - The laboratory diagnostic testing of human samples has not been evaluated.

Form

Powder

Colour

Reddish

Storage

Dry, tightly closed, at 10...30 °C.

Shelf life

5 years

Typical composition

Component	g/l
Peptone	7.7
Meat extract	5.0
Yeast extract	2.3
Ox bile	8.5
Lactose	10.0
Sodium citrate	5.0
Sodium thiosulphate	7.0
Ammonium iron (III) citrate	1.0
Brilliant green	0.003
Neutral red	0.025
Agar	10.0

Directions

Suspend 56.5 g in 1 litre distilled water. Carefully heat, while stirring until completely dissolved. Do not autoclave! Mix well and pour plates.

Final pH at 25 °C

7.3 ± 0.2

Microbiological quality control

Incubate SS Agar, Modified (Salmonella Shigella Agar, Mod.) aerobically for 22-24 hours at 36 ± 1 °C.

Test strain	Inoculum (CFU per plate)	Recovery Test / Inoculum in %	Colony morphology
Salmonella Typhimurium ATCC 14028 WDCM 00031	10-100	≥ 50 %	good growth; colourless colonies with large black centre; culture medium unchanged
Salmonella Enteritidis ATCC 13076 WDCM 00030	10-100	≥ 50 %	good growth; colourless colonies with large black centre; culture medium unchanged
Shigella flexneri ATCC 25929	10-100	≥ 50 %	good growth; small colourless colonies, culture medium unchanged
Shigella sonnei ATCC 25930	10-100	≥ 50 %	good growth; small colourless colonies, culture medium unchanged
Proteus mirabilis ATCC 29906 WDCM 00023	10-100	≥ 50 %	good growth; colourless colonies with large black centre; culture medium unchanged
Escherichia coli ATCC 8739 WDCM 00012	10-100	≤ 25 %	growth inhibited; red, opaque colonies; culture medium with partly red precipite
Escherichia coli ATCC 25922 WDCM 00013	100-1000	≤ 25 %	no growth
Staphylococcus aureus ATCC 6538 WDCM 00032	100-1000	≤ 0,1 %	no growth
Enterococcus faecalis ATCC 29212 WDCM 00087	100-1000	≤ 0,1 %	no growth

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