

## SS Agar, Modified

### Salmonella Shigella Agar, Mod.

TN 1221 500 g



#### Intended use

Used for the isolation of salmonellae and shigellae. Inhibits the growth of gram-positive microorganisms, suppresses swarming of *Proteus* sp.

#### Form

Powder

#### Colour

Reddish

#### Storage

Dry, tightly closed, at 10...25 °C.

#### Shelf life

5 years

#### Typical composition

Component	g/l
Peptone	7.7
Meat extract	5
Yeast extract	2.3
Ox bile	8.5
Lactose	10
Sodium citrate	5
Sodium thiosulphate	7
Ammonium iron (III) citrate	1
Brilliant green	0.003
Neutral red	0.025
Agar	10

#### 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)	Colony morphology
<i>Salmonella</i> Typhimurium ATCC 14028	10-100	good growth; colourless colonies with large black centre; culture medium unchanged
<i>Salmonella</i> Enteritidis ATCC 13076	10-100	good growth; colourless colonies with large black centre; culture medium unchanged
<i>Shigella flexneri</i> ATCC 25929	10-100	good growth; small colourless colonies, culture medium unchanged
<i>Shigella sonnei</i> ATCC 25930	10-100	good growth; small colourless colonies, culture medium unchanged
<i>Proteus mirabilis</i> ATCC 29906	10-100	good growth; colourless colonies with large black centre; culture medium unchanged
<i>Escherichia coli</i> ATCC 8739	10-100	growth inhibited; red, opaque colonies; culture medium with partly red precipitate
<i>Staphylococcus aureus</i> ATCC 6538	100-1000	no growth
<i>Enterococcus faecalis</i> ATCC 29212	100-1000	no growth
<i>Enterococcus faecalis</i> ATCC 19433	100-1000	no growth

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