thermoscientific

Product Specification Sheet

S. S. Agar

Intended Usage: A differential selective medium for the isolation of *Salmonella* and *Shigella* species.

For professional use only.

PO5327A
Revision Date: 20 June 2017

Thermo Scientific™ S. S. Agar

Form of Product	Poured plate
Storage	6 – 12°C, dark
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in foil
pH	7.0 ± 0.2
Colour	Strawberry red, transparent
Shelf life	8 weeks
Intended Usage	A differential selective medium for the isolation of *Salmonella* and *Shigella* species. For professional use only.
Technique	Depends on the different methods. For information see product information.

Typical formulation*	g/l
Beef Extract	5.0
Balanced Peptone No. 1	5.0
Lactose	10.0
Bile salts No.3	8.5
Sodium citrate	8.5
Sodium thiosulphate	8.5
Ferric citrate	1.0
Brilliant green	0.00033
Neutral red	0.025
Agar	12.0

*Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labeling and printing.

2. Control for sterility
   > 72 h @ 25 ± 1°C, aerobic
   > 72 h @ 36 ± 1°C, aerobic

3. Biological control
   Inoculum size for productivity: 10 – 100 cfu
   Inoculum size for selectivity: 10^4 – 10^5 cfu

   Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic

Control Strain	Growth
Salmonella typhimurium ATCC® 14028™	2 – 3 mm, transparent colonies with black centre.
Shigella flexneri ATCC® 12022™	2 – 4 mm, light orange shiny colonies.
Enterococcus faecalis ATCC® 29212™	Complete inhibition (≤ 10 cfu).

Method of use

Inoculate the medium heavily with the specimen, spreading a portion of the original inoculum in order to obtain well separated colonies on some part of the plate.

Incubate for 18-24 hours at 36°C±1°C; non-lactosefermenters form colourless colonies. Occasional resistant coliforms and other lactose-fermenters producepink or red colonies.

In addition to the SS Agar plate, inoculate a tube of Selenite Broth Enrichment Medium (TV5005I).

Incubate it for 12 hours at 36°C±1°C, and sub-culture onto another SS Agar plate.

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