

MAST® Culture Media and Supplements

Technical Information Sheet

Product Code DM 205



S.S. Agar

A selective medium for the isolation of enteric pathogens.

1. Description

Salmonella-Shigella (SS) agar is a selective medium for the isolation of enteric pathogens. It gives good isolation of

salmonellae and certain shigellae but is inhibitory to most faecal commensals.

2. Technical Formula*

Formula	grams per litre
Beef extract	7.5
Peptone	9.0
Lactose	10.0
Sodium thiosulphate	2.0
Ferric ammonium citrate	2.0
Bile salts	1.0
Trisodium citrate	5.0
Neutral red	0.025
Agar	14.0
pH approx.7.0	

3. Directions

1. Suspend 50.5g of powder in 1 litre or the contents of the sachet in the stated volume of distilled or deionised water and mix thoroughly.
2. Bring to the boil until dissolved. DO NOT AUTOCLAVE.
3. Cool and distribute.

4. In Use

The medium is heavily inoculated with the specimen, stool or suspect material, and incubated overnight. A plate of less inhibitory medium, such as MacConkey Agar without salt, (DM140), and, for enrichment of salmonellae, a tube of Selenite F Broth (DM210), should also be inoculated.

After overnight growth non-lactose fermenters appear as colourless colonies while any resistant lactose fermenting commensals appear as pink or red colonies.



 **Mast Group Ltd.**
Mast House, Derby Road, Bootle
Liverpool, Merseyside, L20 1EA
United Kingdom
Tel: + 44 (0) 151 472 1444
Fax: + 44 (0) 151 944 1332
email: sales@mastgrp.com
Web: www.mastgrp.com

Mast Diagnostica GmbH
Feldstrasse 20
DE-23858 Reinfeld
Germany
Tel: + 49 (0) 4533 2007 0
Fax: + 49 (0) 4533 2007 68
email: mast@mast-diagnostica.de
Web: www.mastgrp.com

Mast Diagnostic
12 rue Jean-Jacques Mention
CS91106, 80011 Amiens, CEDEX 1
France
Tél: + 33 (0) 3 22 80 80 67
Fax: + 33 (0) 3 22 80 99 22
email: info@mast-diagnostic.fr
Web: www.mastgrp.com



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*Formulation may be modified to meet performance criteria

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