

## SALMONELLA SHIGELLA (SS) AGAR

A selective and differential medium for the isolation of *Salmonella* spp. and some strains of *Shigella* spp.

Dehydrated media	
Code number:	500 g: SSA20500, 5 kg: SSA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	6,8 - 7,2

**Direction:** Suspend **66 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Mix well before pouring.

### Warning!

The medium is heat sensitive.  
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: SSA30100, 500 ml: SSA30500
Plated media:	55 mm: SSA50055, 90 mm: SSA50090
Colour:	Brownish
pH (25 °C):	6,9 - 7,1

**Direction:** Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

### FORMULA in g/l

Peptones	13,0000
Bile salts	8,5000
Lactose	10,0000
Sodium citrate	10,0000
Sodium thiosulphate	8,5000
Ferric citrate	1,0000
Neutral red	0,0250
Brilliant green	0,0003
Agar	15,0000

**Note:** The typical formula can be adjusted to obtain optimal performance.

**Storage conditions:** Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

### Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Salmonella typhimurium</i>	ATCC 14028	Good, colourless colonies with black centre	
<i>Shigella sonnei</i>	ATCC 25931	Medium, colourless colonies	
<i>Escherichia coli</i>	ATCC 25922	Inhibited, rose-red colonies	
<i>Proteus mirabilis</i>	ATCC 29906	Strongly inhibited, colourless colonies with black centre	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

**References:** Leifson (1935) J. Path. Bact. 40: 581.

**In vitro diagnostic – for professional use only!**