

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!