

TSN AGAR

A selective and differential medium for the selective isolation of *Clostridium perfringens*.

| Dehydrated media | |
|--------------------------------|---------------------------------|
| Code number: | 500 g: TSN20500, 5 kg: TSN25000 |
| Colour: | Yellowish |
| Appearance: | Homogeneous hygroscopic powder |
| pH before autoclaving (25 °C): | 6,8 – 7,2 |

Direction: Suspend **40 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into test tubes and sterilise by autoclaving at 115 °C for 10 minutes.

Warning!

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

| Prepared media | |
|----------------|------------------------------------|
| Bottled media: | 100 ml: TSN30100, 500 ml: TSN30500 |
| Tubed media: | 150 x 15 mm: TSN40010 (10 ml) |
| Colour: | Yellowish |
| pH (25 °C): | 6,9 – 7,1 |

Direction: Dispense the melted bottled media aseptically into sterile test tubes. Media in tubes are ready to use.

FORMULA in g/l

| | |
|-----------------|-------|
| Peptones | 25,00 |
| Sodium sulphite | 1,00 |
| Ferric citrate | 0,50 |
| Neomycin | 0,05 |
| Polymyxin B | 0,02 |
| Agar | 13,50 |

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 tubed media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

| Test strains | Incubation temp: 44 °C | Growth | Incubation time: 48 h |
|---|------------------------|---|-----------------------|
| <i>Clostridium perfringens</i> ATCC 13124 | | Good, colour change to black (under anaerobic conditions) | |

References: Marshall et al. (1965) Appl. Microbiol. 13: 559.

In vitro diagnostic – for professional use only!