

SELENITE CYSTINE BROTH, USP

A selective enrichment medium for the isolation of *Salmonella* spp. according to USP and ISO 6579. L-Cysteine improves the recovery of salmonellae.

| Dehydrated media | |
|--------------------------------|--|
| Code number: | 500 g: SCB20500, 5 kg: SCB25000 |
| Packaging of 500 g: | 500 g broth base + 106 g Selenite Supplement |
| Packaging of 5 kg: | 5 kg broth base + 1060 g Selenite Supplement |
| Appearance of broth base: | Yellowish, homogeneous hygroscopic powder |
| Appearance of supplement: | White, crystalline powder |
| pH before autoclaving (25 °C): | 6,8 - 7,2 |

Direction: Dissolve **4 g of Selenite Supplement** in one litre of distilled water. Suspend **19 g** of dehydrated medium base and heat gently to dissolve the medium completely. Dispense into final containers. In case the medium is not getting used on the day of preparation, sterilise at 100 °C for 10 minutes. Cool quickly. The presence of a small amount of pinkish or brownish precipitate is not detrimental.

Warning!

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

| Prepared media | |
|-----------------------|--|
| Bottled media: | 100 ml: SCB30100, 500 ml: SCB30500 |
| Tubed media: | 100 x 15 mm: SCB40005 (5 ml) 150 x 15 mm: SCB40010 (10 ml) |
| Colour: | Yellowish or pinkish (few pinkish sediment) |
| pH (25 °C): | 6,9 - 7,1 |

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

FORMULA OF COMPLETE MEDIUM in g/l

| | |
|---|-------|
| Casein peptone | 5,00 |
| L-Cystine | 0,01 |
| Lactose | 4,00 |
| Sodium biselenite | 4,00 |
| Sodium phosphate, dibasic x 12 H ₂ O | 10,00 |

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 supplements, the bottled and tubed media protected from light at room temperature. 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 | |
| <i>Escherichia coli</i> ATCC 25922 | | Inhibited | |

References: North and Bartam (1953) Appl. Microbiol. 1: 130.
United States Pharmacopoeia
ISO 6579-1:2017

In vitro diagnostic – for professional use only!