SELENITE CYSTINE MANNITOL BROTH

A selective enrichment medium for the isolation of *Salmonella* spp. Addition of L-Cystine and replacement of lactose with mannitol improves the recovery of salmonellae.

Dehydrated media	
Code number:	500 g: SCM20500, 5 kg: SCM25000
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: SCM30100, 500 ml: SCM30500
Tubed media:	100 x 15 mm: SEB40005 (5 ml) 150 x 15 mm: SEB40010 (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

Peptones	5,00
L-Cystine	0,01
Mannitol	4,00
Sodium biselenite	4,00
Buffers	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
Salmonella typhimurium	ATCC 14028	Good	
Escherichia coli	ATCC 25922	Inhibited	

References: Hobbs and Allison (1945) Mon. Bull. Min. Hlth Pub. Hlth Lab. Serv. 4: 12.

In vitro diagnostic – for professional use only!