

## PharmaBio® SELENITE CYSTINE BROTH

A selective enrichment broth for the isolation of *Salmonella* spp. according to USP. L-Cystine improves the recovery of salmonellae.

<b>Dehydrated media</b>	
Code number:	500 g: PSCB20500, 5 kg: PSCB25000
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 deionized 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.

<b>Prepared media</b>	
Bottled media:	100 ml: PSCB30100, 500 ml: PSCB30500
Tubed media:	100 x 15 mm: PSCB40005 (5 ml) 150 x 15 mm: PSCB40010 (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 <sub>2</sub> 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:** See the next pages

**References:** North and Bartam (1953) Appl. Microbiol. 1: 130.  
United States Pharmacopoeia

**For professional use only!**

## Certificate of analysis

<b>PharmaBio® SELENITE CYSTINE BROTH</b>	
Code number:	PSCB20500
Lot:	
Manufacture date:	
Expiry date:	

<b>Description</b>	
Type of culture medium:	Dehydrated medium
Packaging:	500 g broth base - in 1000 ml PE bottle 106 g selenite supp. - in 200 ml PE bottle
Formula of complete medium in g/l:	
Casein peptone.....5 g	Sodium biselenite..... 4 g
L-Cystine ..... 0,01 g	Sodium phosphate, dibasic x 12 H <sub>2</sub> O.... 10 g
Lactose.....4 g	Deionized water.....ad 1000 ml
Sterilise: 100 °C – 10 minutes	

<b>External control</b>		
Dehydrated culture medium	Requirement	Result
Packaging:	Intact	
Appearance of broth base:	Yellowish coloured fine powder	
Appearance of supplement:	White, crystalline powder	
Ready to use culture medium	Requirement	Result
Colour:	Yellowish or pinkish	
Purity:	A bit turbid	
Precipitation:	Few pinkish sediment	

<b>CHEMICAL CONTROL</b>			
pH at 25 °C:	Requirement: 7,0 ± 0,2		

<b>MICROBIOLOGICAL CONTROL</b>			
<b>Cultivation ability test:</b>			
Reference medium Lot:	Incubation temperature: 30 - 35 °C Incubation time: 18 - 24 h		
Test strains	Reference (cfu)	Requirement	Result
<i>Salmonella typhimurium</i> ATCC 14028		growth	
<i>Staphylococcus aureus</i> ATCC 29213		no growth	

This product has been tested by Quality Control Laboratory and conforms to the specifications above.

This certificate was issued electronically and is valid without signature.

## Certificate of analysis

<b>PharmaBio® SELENITE CYSTINE BROTH</b>	
Code number:	PSCB30500
Lot:	
Manufacture date:	
Expiry date:	

<b>Description</b>	
Type of culture medium:	Bottled medium
Filling volume:	500 ml ± 5% in PP bottle
Packaging:	25 bottles in cardboard box
Formula of complete medium in g/l:	
Casein peptone.....5 g	Sodium biselenite..... 4 g
L-Cystine..... 0,01 g	Sodium phosphate, dibasic x 12 H <sub>2</sub> O.... 10 g
Lactose.....4 g	Deionized water.....ad 1000 ml
Sterilise: 100 °C – 10 minutes	

<b>EXTERNAL CONTROL</b>		
Properties	Requirement	Result
Colour:	Yellowish or pinkish	
Purity:	A bit turbid	
Precipitation:	Few pinkish sediment	

<b>CHEMICAL CONTROL</b>			
pH at 25 °C:	Requirement: 7,0 ± 0,2		

<b>MICROBIOLOGICAL CONTROL</b>			
<b>Cultivation ability test:</b>			
Reference medium Lot:	Incubation temperature: 30 - 35 °C Incubation time: 18 - 24 h		
<b>Test strains</b>	<b>Reference (cfu)</b>	<b>Requirement</b>	<b>Result</b>
<i>Salmonella typhimurium</i> ATCC 14028		growth	
<i>Staphylococcus aureus</i> ATCC 29213		no growth	
<b>Contamination control:</b>			
Incubation temperature: 30 - 35 °C + 20 – 25 °C		Incubation time: 2 + 3 day	
Result:		No growth	

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