thermoscientific

Product Specification Sheet

Selenite Cystine Broth

Intended Usage: A medium for the enrichment of *Salmonella* species.

For professional use only.

	TV5018E
Version: 13	Revision Date: 27 April 2021

Thermo Scientific™ Selenite Cystine Broth

Form of Product	Poured tube
Storage	2 – 12°C, dark
Filling weight	9.5 -10.5 g
Packaging	50 tubes in a box
pH	7.0 ± 0.2
Appearance	Light ivory, transparent
Shelf life	26 weeks
Intended Usage	A medium for the enrichment of *Salmonella* species. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0699.

*Adjusted as required to meet performance standards.

Typical formulation*	g/l
Tryptone	5.0
Lactose	4.0
Disodium phosphate	10.0
L-Cystine	0.01
Sodium biselenite (Sodium hydrogen selenite)	4.0

Quality Control

1. Control for general characteristics, labelling and printing.

2. Contamination check

≥ 72 h @ 20 – 25 °C, aerobic, subculture of one tube onto TSA for ≥ 18 h @ 30 ± 1 °C
≥ 72 h @ 30 – 35 °C, aerobic, subculture of one tube onto TSA for ≥ 18 h @ 30 ± 1 °C

3. Microbiological control

Positive Control	Growth
Inoculum 10 – 100 colony forming units (cfu), control medium TSA Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic Subculture onto X.L.D Medium	
Salmonella Typhimurium ATCC® 14028™	Good growth, transparent colonies with black centres on X.L.D. Medium.
Salmonella Enteritidis ATCC® 13076™	Good growth, transparent colonies with black centres on X.L.D. Medium.

Negative Controls	Growth
Inoculum ≥10^4 cfu, control medium TSA Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic Subculture onto TSA Medium	
Enterococcus faecalis ATCC® 29212™	Partial inhibition (≤ 100 cfu).
Escherichia coli ATCC® 25922™	Partial inhibition (≤ 100 cfu).

Tested in accordance with the methods described in ISO 11133.

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