

PRODUCT SPECIFICATION

OXOID SELENITE F BROTH

EB1321E

Typical Formula*

	grams per litre
Tryptone	5.0
Lactose	4.0
Sodium phosphate	10.0

Addition

Sodium biselenite	4.0
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* adjusted as required to meet performance standards

Preparation

Suspend Selenite Broth Base (19.0 grams / litre) and sodium biselenite (4.0 grams / litre) in de-ionised water. Filter sterilise through 0.2µm filter. Aseptically dispense 10ml into final containers, sterile plastic universal bottles. Label each bottle and pack in units of 100 into labelled boxes.

Format

One hundred plastic universal bottles with plastic screw cap closures in a box.

Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

pH	7.1 ± 0.2
Colour	Straw 1
Clarity	Clear
Fill weight	10.0 - 10.3g

Packaging and presentation

General appearance of bottle and label should be satisfactory. Label data should be correct.

Contamination check

Macroscopic examination should show no evidence of microbial growth after incubation at 30-34°C for ≥ 72 hours.

Microbiological Tests Using Optimum Inoculum Dilution

Results after incubation at 35-39°C for 18-24 hours

Positive control

Inoculum 10-100 colony forming units.

Salmonella Typhimurium ATCC® 14028 Turbid growth with red deposit

Control medium for inoculum determination: Tryptone Soya Agar

Negative control

Inoculum 10,000-100,000 colony forming units.

Escherichia coli ATCC® 25922 Partial to complete inhibition

Supplementary Confirmatory Tests

Subculture broths onto DCA (Hynes) and incubate at 35-39°C for 18-24 hours

Salmonella Typhimurium ATCC® 14028 Straw colonies with black centre
Escherichia coli ATCC® 25922 Partial to complete inhibition

Storage conditions

Store away from light between 2-10°C.

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