	Document Owner Department: QC	BT-SPEC-0490
		Page 1 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LISTERIA SELECTIVE SUPPLEMENT (OXFORD FORMULATION) SR0140B		

LISTERIA SELECTIVE SUPPLEMENT (OXFORD FORMULATION)

SR0140B

Formula

Vial contents (each vial is sufficient to supplement 2.5 litres of medium)

Cycloheximide	1000 mg
Colistin sulphate	50.0 mg
Acridine	12.5 mg
Cefotetan	5.0 mg
Fosfomycin	25.0 mg

Description

A selective supplement for the isolation of *Listeria monocytogenes*.

Directions

Aseptically add 10ml of 70% ethanol to one vial and mix gently to dissolve. Avoid frothing. Aseptically add the vial contents to 2.5 litres of sterile Listeria Selective Agar Base (CM0856) prepared as directed and cooled to 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Yellow powder/pellet
Sterility - passes test

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Columbia Blood Agar Base enriched with 5% v/v horse blood

Reactions after incubation at 37°C for 48 hours

Tested in Listeria Selective Agar Base CM0856

Medium is challenged with 10-100 colony-forming units

<i>Listeria monocytogenes</i>	ATCC®7644	0.25-1.0mm brown/black dimpled colonies and halo
<i>Listeria monocytogenes</i>	ATCC®13932	0.25-1.0mm brown/black dimpled colonies and halo

A satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

Medium is challenged with 10-100 colony-forming units

<i>Staphylococcus aureus</i>	ATCC®25923	No growth or pinpoint-1.5mm yellow colonies
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ThermoFisher SCIENTIFIC	Document Owner Department: QC	BT-SPEC-0490 Page 2 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LISTERIA SELECTIVE SUPPLEMENT (OXFORD FORMULATION) SR0140B		

Staphylococcus aureus ATCC®25923 is inhibited or shall produce a negative diagnostic reaction from an inoculum of 10-100 cfu.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Enterococcus faecalis</i>	ATCC®29212	No growth
<i>Enterococcus faecalis</i>	ATCC®19433	No growth
<i>Escherichia coli</i>	ATCC®25922	No growth
<i>Escherichia coli</i>	ATCC®8739	No growth
<i>Candida albicans</i>	ATCC®10231	No growth or minimal growth

Negative strains are inhibited. *Candida albicans* ATCC®10231 shall be inhibited or produce pinpoint colourless colonies with no blackening of the media.

	Document Owner Department: QC	BT-SPEC-0490
		Page 3 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LISTERIA SELECTIVE SUPPLEMENT (OXFORD FORMULATION) SR0140B		

Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological characteristics	Change to <i>Staphylococcus aureus</i> growth characteristics	Change control	MOC-2022-0180