

	Document Owner Department: QC	BT-SPEC-0491
		Page 1 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LISTERIA SELECTIVE SUPPLEMENT (OXFORD FORMULATION) SR0140E		

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SR0140E

Formula

Vial contents (each vial is sufficient to supplement 500ml of medium)

Cycloheximide	200.0 mg
Colistin sulphate	10.0 mg
Acriflavine	2.5 mg
Cefotetan	1.0 mg
Fosfomycin	5.0 mg

Description

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

Directions

Aseptically add 5ml of 70% ethanol to 1 vial and mix gently to dissolve. Avoid frothing. Aseptically add the vial contents to 500ml 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.

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Medium is challenged with 10-100 colony-forming units

Staphylococcus aureus ATCC®25923 No growth or pinpoint-1.5mm yellow colonies

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

Enterococcus faecalis ATCC®29212 No growth

Enterococcus faecalis ATCC®19433 No growth

Escherichia coli ATCC®25922 No growth

Escherichia coli ATCC®8739 No growth

Candida albicans 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-0491
		Page 3 of 3
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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