

ThermoFisher S C I E N T I F I C	Document Owner Department: QC	BT-SPEC-0491
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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LISTERIA SELECTIVE SUPPLEMENT (OXFORD FORMULATION) SR0140E		

LISTERIA SELECTIVE SUPPLEMENT (OXFORD FORMULATION)

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.

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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