

Distribution: Central File

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## OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

### 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 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-0.5mm yellow colonies |
|------------------------------|-------------|---------------------------------|

For *Staphylococcus aureus* ATCC® 25923, a satisfactory result is represented by recovery equal to or less than 90% of the control medium.

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 |

Negative strains are inhibited.

All ISO/CEN 11133-2 control strains are included in the test panel