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| <b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>   |                               |                             |
| <b>ONE BROTH-LISTERIA SELECTIVE SUPPLEMENT SR0234B</b> |                               |                             |

## ONE BROTH-LISTERIA SELECTIVE SUPPLEMENT

SR0234B

ONE Broth-Listeria is to be used for the enrichment step of the Listeria Precis™ method

### Formula

Vial contents (each vial is sufficient to supplement 2.25 litres of medium)

Antibiotic mix

### Description

A freeze-dried selective supplement for the isolation of *Listeria monocytogenes*.

### Directions

Aseptically add 5ml sterile distilled water to one vial and invert gently to dissolve. Aseptically add the vial contents to 2.25 litres of sterile ONE Broth-Listeria Base (CM1066) prepared as directed and cooled to 50°C. Mix well and aseptically dispense into sterile containers.

### Physical Characteristics

Orange/yellow pellet

Sterility - passes test

### Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar, Columbia Blood Agar Base enriched with 5% v/v horse blood or Brilliance™ Listeria Agar, where appropriate

Tested in ONE Broth-Listeria Base CM1066

### Reactions after incubation at 30°C ± 1°C for 24 hours

Inoculate 10ml quantities of medium to achieve 1-10 colony-forming units/ml (cfu/ml) of *Listeria* spp. Incubate broths at 30°C for 24 hours. Subculture onto Brilliance™ Listeria Agar (CM1080, SR0227 and SR0228) and incubate plates at 37°C for 24-48 hours.

*Listeria monocytogenes* ATCC®7644

A satisfactory result is represented by recovery of positive strains equal to or greater than 1E+04 cfu/ml.

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*Listeria monocytogenes*      ATCC®13932

A satisfactory result is represented by recovery of positive strains equal to or greater than 1E+05 cfu/ml.

The broth may blacken with longer incubation periods or higher inoculum levels.

Inoculate 10ml quantities of medium to achieve greater than 1E+03 cfu/ml of the test organism.

|                              |            |                            |
|------------------------------|------------|----------------------------|
| <i>Bacillus cereus</i>       | ATCC®10876 | No growth to turbid growth |
| <i>Enterococcus faecalis</i> | ATCC®29212 | No growth to turbid growth |
| <i>Staphylococcus aureus</i> | ATCC®25923 | No growth to turbid growth |
| <i>Escherichia coli</i>      | ATCC®25922 | No growth                  |

Negative strains are inhibited or shall produce partial inhibition.

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| OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION                                     |                               |              |
| ONE BROTH-LISTERIA SELECTIVE SUPPLEMENT SR0234B                                   |                               |              |

## Revision History

| Section / Step  | Description of Change                                                       | Reason for Change | Reference  |
|-----------------|-----------------------------------------------------------------------------|-------------------|------------|
| Entire Document | Update to new document format and correction of typographical/minor errors. | Change control    | BT-CC-1918 |