

Distribution: Central File

Date: 17/02/17

Supersedes: 20/12/16

**OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION**

ONE BROTH-LISTERIA BASE**CM1066**

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

Typical Formula*

| | | |
|------------------|-----------------|------|
| Peptone | grams per litre | 28.0 |
| Carbohydrate mix | | 6.0 |
| Salt mix | | 10.0 |

* adjusted as required to meet performance standards

Directions

Dissolve 22g in 500ml of distilled water. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C and aseptically add the contents of 1 vial of ONE Broth-Listeria Selective Supplement (SR0234E) reconstituted as directed. Mix well and aseptically dispense into sterile containers.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - straw/green
 Moisture level - less than 7%
 pH 7.4 ± 0.2 at 25°C
 Clarity - clear

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 with the addition of ONE Broth-Listeria Selective Supplement SR0234

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® 35152

A satisfactory result is represented by recovery of positive strains equal to or greater than 1E+02 cfu/ml.

Listeria monocytogenes ATCC® 7644

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

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.

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

| | | |
|------------------------------|-------------|----------------------------|
| <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.