

Distribution: Central File

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**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  $7.4 \pm 0.2$  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.