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ONE BROTH-LISTERIA SELECTIVE SUPPLEMENT SR0234B		

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 (ISO), where appropriate

Tested in ONE Broth-Listeria Base CM1066

Reactions after incubation at 30 ± 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 (ISO) (CM1212, SR0257 & SR0258) and incubate plates at 37°C for 24-48 hours.

Listeria monocytogenes ATCC®7644

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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.

<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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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological Characteristics	Changing of Listeria plating media	Change control	MOC-2024-0065