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LISTERIA SELECTIVE ENRICHMENT SUPPLEMENT SR0141E		

LISTERIA SELECTIVE ENRICHMENT SUPPLEMENT

SR0141E

Formula

Vial contents (each vial is sufficient to supplement 500ml of medium)

Nalidixic acid	20.0 mg
Cycloheximide	25.0 mg
Acridine hydrochloride	7.5 mg

Description

A selective enrichment supplement for the isolation of *Listeria monocytogenes*.

Directions

Aseptically add 2ml of sterile distilled water to 1 vial and mix gently to dissolve. Add the vial contents to 500ml of Listeria Enrichment Broth Base (CM0862) or Buffered Listeria Enrichment Broth (CM0897) prepared as directed*. Mix well and distribute into final containers in volumes as required. Sterilize by autoclaving at 121°C for 15 minutes.

* Supplement may be aseptically added post-sterilization.

Physical Characteristics

Yellow pellet

Microbiological Tests Using Optimum Inoculum Dilution


Control Media: Listeria Oxford Medium or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate

Reactions after incubation at 30°C for 24 hours

Tested in Listeria Enrichment Broth Base CM0862

Inoculate 10ml quantities of medium to achieve 1-5 colony-forming units/ml (cfu/ml) of *Listeria* spp. Incubate broths at 30°C for 24 hours. Subculture onto Listeria Oxford Medium (CM0856 and SR0140) and incubate plates at 37°C for 48 hours.

<i>Listeria monocytogenes</i>	ATCC® 7644	0.25-1mm brown/black dimpled colonies and halo
<i>Listeria monocytogenes</i>	ATCC® 13932	0.25-1mm brown/black dimpled colonies and halo

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A satisfactory result is represented by recovery of positive strains equal to or greater than a 3 log(10) increase.


After incubation at 30°C for 48 hours *Listeria* species shall exhibit turbid growth.

Reactions after incubation at 30°C for 48 hours

Inoculate 10ml quantities of medium to achieve 10-100 cfu/ml. Incubate broths at 30°C for 48 hours.

<i>Enterococcus faecalis</i>	ATCC®29212	No growth
<i>Escherichia coli</i>	ATCC®25922	No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire document	Updating to current format and correcting minor errors including syncing with the current test inspection plan	New ThermoFisher format for upload to ThermoFisher website	N/A