Distribution: Central File

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OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION

LISTERIA SELECTIVE ENRICHMENT SUPPLEMENT SR0149A

Formula

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

Nalidixic acid	90.0 mg
Cycloheximide	112.5 mg
Acriflavine hydrochloride	22.5 mg

Description

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

Directions

Aseptically add 10ml of distilled water to 1 vial and mix gently to dissolve. Add the vial contents to 2.25 litres 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
Sterility - passes test

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

Tested in Listeria Enrichment Broth Base CM0862

Reactions after incubation at 30°C for 24 hours

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.

Listeria monocytogenes	ATCC® 7644	0.25-1.0mm brown/black dimpled colonies and halo
Listeria monocytogenes	ATCC® 13932	0.25-1.0mm brown/black dimpled colonies and halo

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.

Enterococcus faecalis	ATCC® 29212	No growth
Escherichia coli	ATCC® 25922	No growth

Negative strains are inhibited.