FoodChek™
Food safety, simplified.

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Actero™ Listeria Enrichment Broth Product Information

Catalogue No.	Description
FCM- 139	Actero™ Listeria Enrichment Broth (500 G)
FCM- 138	Actero™ Listeria Enrichment Broth (2 KG)
FCM- 137	Actero™ Listeria Enrichment Broth (10 KG)

INTENDED USE

Listeria Enrichment Broth is used for the selective enrichment and isolation of *Listeria spp*. This medium was developed for the recovery of *Listeria monocytogenes* from cheeses and pasteurized milk. Peptones and yeast extracts supply necessary growth nutrients while Potassium Phosphate, Dibasic acts as a buffering agent. Selectivity is accomplished by the addition of Cycloheximide, Nalidixic acid and Acriflavin.

Formula* per Liter:

Tryptone 17.0g
Soy Peptone 3.0g
Yeast Extract.....6.0g
Dextrose 2.5g
Sodium Chloride.....5.0g
Potassium Phosphate, Dibasic.....2.5g
Cyclohexamide 0.05g
Nalidixic Acid.....0.04g
Acriflavin, HCl 0.015g
Final pH: 7.3 ± 0.2 at 25°C

** Grams per liter may be adjusted or formula supplemented to obtain desired performance.*

PREPARATION

Mix 36.1 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Autoclave at 12 1°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared base is orange amber with greenish opalescent top.
3. Expected cultural response after 18-48 hours at 30°C.

Organism	Result
Escherichia coli ATCC® 25922	Inhibition
Listeria monocytogenes ATCC® 7644	Growth
Listeria monocytogenes ATCC® 15313	Growth
Saccharomyces cerevisiae ATCC® 9763	Inhibition
Staphylococcus aureus ATCC® 25923	Inhibition at 24hrs/Suppression at 48hrs

Storage Instructions:

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original light beige.