

PRODUCT INFORMATION

Listeria Enrichment Broth

Cat. No. L12-110



ALPHA[™]
BIOSCIENCES

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DESCRIPTION

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 Acriflavine.

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 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is orange amber with greenish opalescent top.
3. Expected cultural response after 18-48 hours at 35°C.

Organism:

Escherichia coli ATCC® 25922
Listeria monocytogenes ATCC® 7644
Listeria monocytogenes ATCC® 15313
Saccharomyces cerevisiae ATCC® 9763
Staphylococcus aureus ATCC® 25923

Result:

Inhibition
Growth
Growth
Inhibition
Inhibition at 24hrs/Suspension at 48 hrs.

Formula* per Liter:

Enzymatic Digest of Casein.....	17.0g
Soy Peptone	3.0g
Yeast Extract	6.0g
Dextrose.....	2.5g
Sodium Chloride	5.0g
Potassium Phosphate, Dibasic	2.5g
Cycloheximide	0.05g
Nalidixic Acid	0.04g
Acriflavine, 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.

STORAGE

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 color.