

# PRODUCT INFORMATION

Your Smarter Culture Media Choice



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## Fraser Broth Base Cat. No. F06-102

### DESCRIPTION

Fraser Broth Base is used for the selective enrichment of *Listeria spp.* This media was first described by Fraser and Sperber and is utilized with a ferric ammonium citrate supplement for the rapid detection of *Listeria* from food and environmental samples.

### Formula\* per Liter:

Tryptose .....	10.0g
Beef Extract .....	5.0g
Yeast Extract.....	5.0g
Sodium Chloride.....	20.0g
Disodium Phosphate .....	9.6g
Monopotassium Phosphate .....	1.35g
Esculin .....	1.0g
Nalidixic Acid.....	0.02g
Acriflavin.....	0.024g
Lithium Chloride .....	3.0g

**Final pH:** 7.2 ± 0.2 at 25°C

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

### PREPARATION

Mix 55 grams of the medium in one liter of purified water until evenly dispersed. Distribute and autoclave at 121°C for 15 minutes. Cool to room temperature. Aseptically add 10mL of Fraser Broth Supplement.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and light beige.
2. Visually the prepared medium is golden yellow with an opalescent top and clear to slightly hazy along with little or no precipitate.
3. Expected cultural response after 24-48 hours at 35°C.

#### Organism:

*Escherichia coli* ATCC® 25922  
*Listeria monocytogenes* ATCC® 7644  
*Listeria monocytogenes* ATCC® 19114  
*Staphylococcus aureus* ATCC® 25923

#### Result:

Complete Inhibition  
Growth, Esculin (+)  
Growth, Esculin (+)  
Inhibition at 24hrs

### 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 light beige.