

PRODUCT INFORMATION

Demi Fraser Broth Base

Cat. No. F06-102D

DESCRIPTION

A modification of Fraser Broth Base, this media was developed by Fraser and Sperber for the rapid detection of *Listeria* from food and environmental samples. The addition of ferric ammonium citrate allows for the selective enrichment of *Listeria spp.*

FORMULA (g/L)

Enzymatic Digest of Casein	10.0 g	Beef Extract	5.0 g
Yeast Extract	5.0 g	Nalidixic Acid	0.01 g
Esculin	1.0 g	Monopotassium Phosphate	1.35 g
Sodium Chloride	20.0 g	Disodium Phosphate	9.6 g
Acriflavine, HCl	0.0125g	Lithium Chloride	3.0 g

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. Heat with repeated stirring and boil to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. After cooling to room temperature, aseptically add 10mL of supplement (5% ferric ammonium citrate, 10mL/L of media).

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is trace to slightly hazy and golden yellow, with a light precipitate possible.
3. Expected cultural response after 24-48 hours at 35°C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Inhibition
<i>Listeria monocytogenes</i> ATCC 7644	Good Growth – Esculin (+)
<i>Listeria monocytogenes</i> ATCC 15313	Good Growth – Esculin (+)
<i>Staphylococcus aureus</i> ATCC 25923	Inhibition

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.