**Fraser Broth with Supplement**

Fraser Broth with Supplement is recommended for the pre-enrichment of *Listeria* species from foods.

*Listeria* species are widely distributed and are isolated from soil, decaying vegetable matter, sewage, water, animal feed, fresh and frozen poultry, meats, raw milk, cheese and asymptomatic human and animal carriers

The composition and performance criteria of this medium comply with the recommendations of the International Standard Organisation ISO 6649.

Insterprep sterile granulated media is available in prefilled Stomacher® bags or prefilled sachets as per below table:

|  |  |  |  |
| --- | --- | --- | --- |
| **Product Code** | **Description** |  |  |
| INS-2102-300NO | Fraser Broth (Bag, Granules for 225ml) | 300 | 30 Sachets of 10 bags |
| INS-2102-80NO | Fraser Broth (Bag, Granules for 225ml) | 80 | 8 Sachets of 10 bags |
| INS-2202-100NO | Fraser Broth (Sachet, Granules for 225ml) | 100 | 100 sachets |
| INS-2302-50NO | Fraser Broth (Sachet, Granules for 1125) | 50 | 50 sachets |

The Insterprep® Stomacher® bag contains 12.5 g of granulated Fraser Broth media to which 225 ml of sterile de-ionised water and 25 g (or 25 ml) of sample material is added.

The Insterprep® Sachet contains either 12.5 g of granules to make up 225 ml Fraser Broth or 63 g to make 1125 ml Fraser Broth.

The dehydrated culture medium is irradiated sterile. Certificates of irradiation are available upon request.

**Mode of Action**

Fraser Broth is formulated for use as a selective enrichment of *Listeria* species from foods.

**Typical Composition\* (g/L)**

***Ingredients Grams/Litre***

Peptone 5.000

Casein enzymic hydrolysate 5.000

Yeast extract 5.000

Meat extract B# 5.000

Sodium chloride 20.000

Lithium chloride 3.000

Disodium phosphate 9.600

Monopotassium phosphate 1.350

Esculin 1.000

Nalidixic acid 0.010

Acriflavin 0.0125

Ferric ammonium citrate 0.500

Final pH (at 25°C) 7.2±0.2 pH

\*Formula adjusted, standardized to suit performance parameters

# Equivalent to Beef extract

**Storage**

Product is light and temperature sensitive. Protect from freezing.

Upon receipt store dehydrated granulated medium at 2-30 ºC away from direct light. Prepared medium should be stored at 2-8 ºC. Media should not be used if there are any signs of contamination, deterioration, discoloration, or if the expiration date has passed.

The expiration date applies to the product in its intact packaging when stored as directed.

**Quality control**

Fraser Broth should appear cream to yellow homogenous granular medium. Upon preparation, medium should appear fluorescent yellow coloured clear solution

***Organism Inoculum (CFU) Growth Esculin Hydrolysis***

*Escherichia coli ATCC25922 >=10³ inhibited*

*Enterococcus faecalis ATCC29212 50-100 none-poor*

*Listeria monocytogenes ATCC 19111 50-100 good-luxurient positive reaction, blackening of medium*

*Listeria monocytogenes ATCC 19112 50-100 good-luxurient positive reaction, blackening of medium*

*Listeria monocytogenes ATCC 19117 50-100 good-luxurient positive reaction, blackening of medium*

*Listeria monocytogenes ATCC 19118 50-100 good-luxurient positive reaction, blackening of medium*

*Staphylococcus aureus ATCC 25923 50-100 none-poor*

**Ordering Information**

**Bag**

***Product Cat. Description. Pack size.***

INS-2102-300NO Fraser Broth (Bag, Granules for 225ml) 30 Sachets of 10 bags

INS-2102-80NO Fraser Broth (Bag, Granules for 225ml) 8 Sachets of 10 bags

**Sachet**

 ***Product Cat. Description. Pack size***

 INS-2202-100NO Fraser Broth (Sachet, Granules for 225ml) 100 sachets

 INS-2302-50NO Fraser Broth (Sachet, Granules for 1125) 50 sachets

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