

Reference: **BGWR3005** 

**Product:** Half Fraser - 2X5 L

## **Specification**

Liquid culture medium for the enrichment and detection of Listeria ssp. according to ISO standars.

#### Presentation

**Packaging Details Shelf Life** 2 Prepared Bags **Storage** Bags 5L with: 5000 ± 15 ml 1 box with 2 bags of 5L. 12 months 2-25°C

PVC plasticizer free sterile bag with: 1 vial stopper + 1

penetrable cap.

Dimensions: 27 x 40 cm. For use in food testing.

### Composition omposition (a/l)

Composition (g/i).	
Peptone from meat	5.000
Casein peptone	5.000
Yeast extract	5.000
Meat extract	5.000
Sodium chloride	20.000
Disodium phosphate	12.000
Monopotassium phosphate	1.350
Esculin	1.000
Lithium chloride	3.000
Ammonium ironIII citrate	0.500
Nalidixic ac	0.010
Acriflavine	0.0125

## **Description / Technique**

### Description

Half Fraser Broth is a modification of Fraser Broth which contains half of the concentration of nalidixic acid and acriflavine to aid in the recovery of stressed cells.

Half Fraser Broth is used as the primary enrichment broth according to the EN ISO 11290 for the detection of Listeria.

#### Technique

For the inoculation of bags follow the standard laboratory method or the applicable norms, (Stab inoculation, loop inoculation, dilution banks . etc ...).

The use methodology is described in the EN ISO 11290.

Each Bag is intended for use with an automatic dispenser in laboratories requiring large volumes of broth media or diluent.

Discard any partially used bag to avoid contamination.

The bag has multiple connection points: 1 penetrable cap (injection port) latex-free polycarbonate, for any additive injection required. And an injection (vial stopper) to connect to any standard equipment laboratory dosing with a connector.

Once completely empty, the bag can be disposed of along with normal plastic (PVC).

Note: The medium can show the possible presence of precipitates not affecting its correct performance.

# **Quality control**

### **Physical/Chemical control**

Color: Brown-yellowish pH: 7.2 ± 0.2 at 25°C

# Microbiological control

Prepare Tubes - Inoculate with 100±20 CFU for Growth Promotion or 104-106 CFU for Selectivity Microbiological control according to ISO 11133:2014

Aerobiosis. Incubation at 30 ± 1 °C during 18-24 h

Microorganism Growth

Escherichia coli ATCC® 8739 (1) Inhibited Partial Inhibition Enterococcus faecalis ATCC® 19433 (2)

> 10 CFU . Blue-green colonies w. opaque halo (in A. Ottaviani & Agosti) Listeria monocytogenes ATCC® 13932 + (1) + (2) > 10 CFU . Blue-green colonies w. opaque halo (in A. Ottaviani & Agosti)

Listeria monocytogenes ATCC® 35152 + (1) + (2)

**Sterility Control** 

Incubation 48 hours at 30-35°C and 48 hours at 20-25°C: NO GROWTH Check at 7 days after incubation in same conditions

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