

**PRODUCT CODE: 496269**

## Fraser 1/2 Listeria Broth (ISO 11290-1) (Prepared Bottles) for microbiology

### Specification

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

### Presentation

10 Prepared bottles	Packaging Details	Shelf life	Storage
Bottles 250 ml with: 225 ± 3 ml.	1 box with 10 bottles 250 ml. White thermo resistant polypropylene cap.	12 months	2-25°C
3 Prepared Bags /3 L	Packaging Details	Shelf life	Storage
Bags with: 3000 ± 10 ml.	1 box with 3 bags of 3L. PVC plasticizer free sterile bag with: 1 vial stopper + 1 penetrable cap. Dimensions: 23 x 32 cm. For use in food testing.	12 months	2-25°C

### Description and 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 250ml bottles:

For the inoculation of bottles, 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.

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

For 3L bags:

For the inoculation of bottles, 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**

For 250ml bottles:

Physical/Chemical control	Microbiological control	Sterility control
Color: Brown-yellowish. pH: 7.2 ± 0.2 at 25°C.	Inoculate: Practical range 100 ± 20 CFU; Min. 50 CFU (Productivity)/ 10 <sup>4</sup> -10 <sup>6</sup> (Selectivity). Microbiological control according to ISO 11133. Aerobiosis. Incubation at 30 ± 1 °C during 18-24 h.	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

For 3L bags:

Physical/Chemical control	Microbiological control	Sterility control
Color: Brown-yellowish. pH: 7.2 ± 0.2 at 25°C.	Prepare Tubes - Inoculate with 100±20 CFU for Growth Promotion or 10 <sup>4</sup> -10 <sup>6</sup> CFU for Selectivity Microbiological control according to ISO 11133. Aerobiosis. Incubation at 30 ± 1 °C during 18-24 h.	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

**For both presentations:**

Microorganism	Growth
<i>Escherichia coli</i> ATCC® 8739 (1)	Inhibited. Confirm in TSA at 37°C±1 reading 24 ± 3h
<i>Enterococcus faecalis</i> ATCC® 19433 (2)	Partial Inhibition. Confirm in TSA at 37°C±1 reading 24 ± 3h.
<i>Listeria monocytogenes</i> ATCC® 13932, WDCM 00021 + (1) + (2)	> 10 CFU. Blue-green coln. w. opaque halo (Ottaviani Agosti)
<i>Listeria monocytogenes</i> ATCC® 35152, WDCM 00109 + (1) + (2)	> 10 CFU. Blue-green coln. w. opaque halo (Ottaviani Agosti)

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