

**Distribution :** Central File

**Date:** 16/12/04  
**Supersedes:** 15/06/04

## OXOID QUALITY ASSURANCE

### PRODUCT SPECIFICATION

#### HALF FRASER BROTH

**BO0350S**

#### Typical Formula

grams per litre

Proteose peptone	5.0
Tryptone	5.0
Lab-Lemco powder	5.0
Yeast extract	5.0
Sodium chloride	20.00
Di-sodium hydrogen phosphate	12.0
Potassium dihydrogen phosphate	1.35
Aesculin	1.0
Lithium chloride	3.0
Ferric ammonium citrate	0.5
Acridine	0.0125
Nalidixic acid	0.01

#### Preparation

Suspend all materials in deionised water and heat to 60°C to dissolve. Sterile filter 225ml volumes into sterile 250ml Sirop bottles. When cool, label each bottle and pack in units of 10 in labelled boxes.

#### Format

Ten sirop bottles with plastic screw cap closures in a box .

#### Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

#### Physical Characteristics

##### Physical Tests

pH	- 7.2 ± 0.2
Colour	- Dark straw with yellow tinge
Clarity	- Clear
Fill volume	- 225ml + 4ml

#### Packaging and presentation:

General appearance of bottle and label should be satisfactory. Label data should be correct.

#### Sterility Test

Macroscopic examination should show no evidence of microbial growth after incubation at 20 - 25°C and 30 -35°C for 5 days.

## Bacteriological Tests Using Optimum Inoculum Dilution

### Results after incubation at 30°C for 24 hours ± 2 hours

Inoculum less than 100 colony forming units

*Listeria monocytogenes* ATCC 19111

*Listeria monocytogenes* ATCC 7644

After incubation the product is diluted and counts are performed on Columbia Blood Agar Base. Counts must be equal to or greater than  $6 \times 10^5$ /ml.

Inoculum less than  $1 \times 10^4$  colony forming units

*Listeria monocytogenes* ATCC 19111 Turbid growth with aesculin hydrolysis

*Listeria monocytogenes* ATCC 7644 Turbid growth with aesculin hydrolysis

Inoculum greater than 10,000 colony forming units

*Escherichia coli* ATCC 25922 No aesculin hydrolysis

*Enterococcus faecalis* ATCC 29212 No aesculin hydrolysis

### Storage conditions

Store away from light at between 2 - 25°C.



**SISTEMAS AVANZADOS DE ANÁLISIS, S.L.**

**CIF: B-47700026**

**C/. Cardenal Torquemada, 24**

**Tel. 983 251 143 • 637 596 017**

**47010 VALLADOLID**

**[www.analisisavanzados.com](http://www.analisisavanzados.com)**