

Distribution : Central File

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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 6×10^5 /ml.

Inoculum less than 1×10^4 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.