

**Distribution:**

**Date:** 25/01/05

**Supersedes:** N/A

## OXOID QUALITY ASSURANCE

### PRODUCT SPECIFICATION

**ONE BROTH**

**B01066S**

#### Formula

	grams per litre
Peptone	28.0
Carbohydrate mix	6.0
Salt mix	10.0
	mls per litre
Antibiotic Mix	4.0

#### Preparation

Completely dissolve 44g in 1 litre of distilled water. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Aseptically add the antibiotic mixture. Dispense into sterile 250ml sirop bottles.

#### 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	7.4 ± 0.2
Colour	Straw/green
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

### Reactions after incubation at 30°C ± 0.1°C for 24 hours

Medium is challenged with 10-100 colony forming units.

Recovery of greater than 10<sup>4</sup> colony forming units is obtained after sub-culture on Selective Listeria Agar for the following organisms;

<i>Listeria monocytogenes</i>	ATCC 19111
<i>Listeria monocytogenes</i>	ATCC 15313
<i>Listeria monocytogenes</i>	ATCC 13932
<i>Listeria monocytogenes</i>	ATCC 7644

The broth may blacken with longer incubation periods or higher inoculum levels.

Medium is challenged with greater than 10<sup>4</sup> colony forming units.

<i>Bacillus cereus</i>	ATCC 10876	No growth to turbid growth
<i>Enterococcus faecalis</i>	ATCC 29212	No growth to turbid growth
<i>Staphylococcus aureus</i>	ATCC 25923	No growth to turbid growth
<i>Escherichia coli</i>	ATCC 25922	No growth