

Distribution: Central File

Date: 11/12/12

Supersedes: 14/10/09

**OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION**

NUTRIENT BROTH**CM0001****Typical Formula***

| | | |
|--------------------|-----------------|-----|
| 'Lab-Lemco' powder | grams per litre | 1.0 |
| Yeast extract | | 2.0 |
| Peptone | | 5.0 |
| Sodium chloride | | 5.0 |

* adjusted as required to meet performance standards

Directions

Dissolve 13g in 1 litre of distilled water. Mix well and distribute into final containers. Sterilize by autoclaving at 121°C for 15 minutes.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - straw 1-2
 Moisture level - less than 7%
 pH 7.4 ± 0.2 at 25°C
 Clarity - clear

The medium is tested for compatibility using 10% v/v oxalated horse blood, defibrinated horse blood or defibrinated sheep blood. There shall be no evidence of lysis, after incubation at 37°C and 4°C for 18 hours.

Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate.

Reactions after incubation at 37°C for 18 hours

Medium is challenged with less than 100 colony-forming units

| | | |
|-------------------------------|-------------|---------------|
| <i>Enterococcus faecalis</i> | ATCC® 19433 | Turbid growth |
| <i>Streptococcus pyogenes</i> | ATCC® 19615 | Turbid growth |
| <i>Staphylococcus aureus</i> | ATCC® 25923 | Turbid growth |
| <i>Escherichia coli</i> | ATCC® 25922 | Turbid growth |
| <i>Bacillus subtilis</i> | ATCC® 6633 | Turbid growth |
| <i>Pseudomonas aeruginosa</i> | ATCC® 27853 | Turbid growth |

A satisfactory result is represented by visible growth.