

Distribution: Central File

Date: 11/12/12

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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.