

TECHNICAL DATA SHEET

Article No. 8180

Standard 1 Nutrient Broth

SYNONYMS

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SPECIFICATION

Liquid medium for cultivation of fastidious bacteria.

FORMULA* IN G/L

Casein peptone	15.0
Yeast extract	3.0
Sodium chloride	6.0
D(+)-Glucose	1.0

Final pH 7.5 ±0.2 at 25 °C

*Adjusted and/or supplemented as required to meet performance criteria.

DIRECTIONS

Suspend 25 g of powder in 1 l of distilled water. Heat up if necessary. Distribute into suitable containers and sterilize by autoclaving at 121 °C for 15 minutes. For a more enriched medium aseptically add 5-7 % defibrinated blood or sterile horse serum.

TECHNIQUE

This medium is suitable for the cultivation of fastidious bacteria. After addition of blood (5-7 %) or serum it can also be used to cultivate streptococci, pneumococci and other fastidious microorganisms.

The medium is employed for the enumeration, isolation and enrichment of bacteria and also as high-grade bases for preparing special culture media.



QUALITY CONTROL

- Incubation temperature: 37± 1°C
- Incubation time: 24-48 h
- Inoculum: 30-300 CFU (productivity).

Microorganism	Growth	Remarks
<i>Staphylococcus aureus</i> ATCC® 25923	Good	None
<i>Streptococcus pyogenes</i> ATCC® 19615	Good	None
<i>Streptococcus pneumoniae</i> ATCC® 49619	Good	None

REFERENCES

- Merck Microbiology Manual (1994) Standard I Nutrient Broth. Darmstadt.
- The HiMedia Manual for Microbiology Laboratory Practice. (1998). Standard Nutrient Broth No. 1. Mumbai, India.

STORAGE

Keep tightly closed, away from light, in a dry place (4-30 °C).

SHELF LIFE

5 years unopened from date of production.

updated: 17.03.2023

