



Reference : 02-140
Product :
NUTRIENT BROTH (B.Ph.)

Scharlau Microbiology - Technical data sheet

Specification

A general purpose liquid culture medium for non-fastidious microorganisms.

Formula * in g/L

Meat extract.....	1.0
Yeast extract.....	2.0
Peptone.....	5.0
Sodium chloride.....	5.0

Final pH 7,4 ±0,2 at 25 °C

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

Directions

Dissolve 13 g of powder in 1 L of distilled water, heating if necessary to dissolve the medium. Distribute into containers and sterilize in the autoclave at 121 ° C for 15 minutes.

Description

Nutrient Broth is the liquid version of the solid medium. It is a classical meat infusion broth, that is useful for routine laboratory purposes. Supplementation with yeast extract allows the growth of most common organisms. It is also suitable for the preparation of inocula, efficacy testing of biocides, as well as for the determination of the Phenol Coefficient etc.

Quality control

Incubation temperature: 36°C ± 2

Incubation time: 22 ± 2h

Inoculum: Practical range 100 ± 20 CFU. Min. 50 CFU (Productivity) according to ISO 11133:2014/Amd 1:2018

Microorganism	Growth	Remarks
<i>Pseudomonas aeruginosa</i> ATCC® 9027	Good	-
<i>Bacillus subtilis</i> ATCC® 6633	Good	-
<i>E. coli</i> ATCC® 8739	Good	-
<i>Salmonella typhimurium</i> ATCC® 14028	Good	-
<i>Staphylococcus aureus</i> ATCC® 6538	Good	-

References

- ATLAS, R.M., L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press, Inc. London.
- BRITISH PHARMACOPOEIA (1968) 357.
- BRITISH STANDARD S41 (1934) Determining the Rideal-Walker Coefficient of Disinfectants. BSI London 9.
- ISO 11133:2014/ Adm 1:2018. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.

Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4 °C to 30 °C).