

Nutrient broth (ISO, APHA)
 DEHYDRATED MEDIUM

Art. 84662.0500

Formula * - Composition in g/L

 Peptone..... 5.0
 Meat extract.....3.0

Final pH 7.0 ±0.2 at 25 °C

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

Instructions for preparation

Dissolve 8 g of powder in 1 l of purified water heating up if necessary. Dispense into suitable containers and sterilise by autoclaving at 121°C for 15 minutes.

Principle of the method and general information

Nutrient broth is the liquid version of Nutrient agar, and is a classical medium for routine tasks with non-fastidious microorganisms. It is the ideal medium for the subculture of bacteria, especially staphylococci, with a view to performing coagulase and other biochemical tests.

Instruction for use

Inoculate according to final purpose, samples and validated methods (Pharmacopoeias and standards).

Quality control
Incubation temperature: 35 ± 2 °C

Incubation time: 24 ± 2h

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

Microorganism	Growth	Remarks
<i>Bacillus subtilis</i> ATCC® 6633	Good	-
<i>Escherichia coli</i> ATCC® 8739	Good	-
<i>Salmonella typhimurium</i> ATCC® 14028	Good	-
<i>Yersinia enterocolitica</i> ATCC® 9610	Good	-
<i>Staphylococcus aureus</i> ATCC® 6538	Good	-
<i>Staphylococcus aureus</i> ATCC® 25923	Good	-

References

- APHA (1948) Standard Methods for the Examination of Dairy Products. Washington.
- ATLAS, R.M., L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press, Inc. London.

Storage conditions

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

Ordering information

84662.0500 Nutrient broth (ISO, APHA) Bulk of 500 g.

Note: For supplements see the section - Instructions for preparation.