



Reference : 02-144  
Product :  
NUTRIENT BROTH (APHA)

Scharlau Microbiology - Technical data sheet

### Specification

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

### Formula \* 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

### Directions

Dissolve 8 g of powder in 1 L of distilled water heating only if necessary. Dispense into suitable containers and sterilize in the autoclave at 121°C for 15 minutes.

### Description

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.

### Technique

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

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