



Reference : 02-406
Product :
LB BROTH (LENNOX)

Scharlau Microbiology - Technical data sheet

Specification

Liquid medium used for general purposes, especially recommended for molecular genetic studies with *Escherichia coli*.

Formula * in g/L

Tryptone..... 10.0
Yeast extract..... 5.0
Sodium chloride..... 5.0

Final pH 7,0 ±0,2 at 25 °C

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

Directions

Dissolve 20 g of powder in 1 L of distilled water. Distribute into suitable containers and sterilize in the autoclave at 121°C for 15 minutes.

Description

This medium corresponds to the original Lenox formulation for the culture of recombinant strains of *E. coli* K12. Culture medium specially indicated for studies of molecular genetics.

Technique

Dilute and prepare samples and volumes as necessary according to specific protocols, established regulations, official directives and / or expected results. Each technician must evaluate the results according to the specifications established in his laboratory.

Quality control

Incubation temperature: 35 °C ± 2.0 **Incubation time:** 24 h ± 3

Inoculum: Practical range 100 ± 20 CFU. min. 50 CFU (productivity).

Microorganism	Growth	Remarks
<i>Escherichia coli</i> ATCC® 25922	Good	-
<i>Escherichia coli</i> ATCC® 8739	Good	-
<i>Escherichia coli</i> ATCC® 35218	Good	-
<i>Escherichia coli</i> ATCC® 11775	Good	-

References

- ATLAS, R.M., L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press, Inc. London.
- AUSUBEL, F.M., R. BRENT, R.E. KINGSTON, D.D. MORE, J.G. SEIDMAN, J.A. SMITH, & K. STRUHL (1994) Current Protocols in Molecular Biology. Greene Pub. Assoc. Inc. Brooklyn. NY.
- ISO 11133:2014/ Adm 1:2018. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- LENNOX, E.S. (1955) Transduction of linked genetic carácter of the host bacteriophage P1. Virology 1:190-206.
- SAMBROOK, J., E.F. FITSCH & T. MANIATIS (1989) Molecular cloning: A laboratory manual. 2nd ed. Cold Spring Harbour Laboratory. Cold Spring Harbour. NY.

Storage

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