Product :
LB BROTH

Specification

Liquid medium used for general purposes, especially recommended for molecular genetics studies of *Escherichia coli*.

Formula * in g/L

Tryptone..... 10.0
Yeast extract..... 5.0

Final pH 7,2 ±0,2 at 25 ºC

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

Directions

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

Description

Formulation of this broth is according to the Luria and Bartani medium base, in which sodium chloride has been omitted to allow for the variation in saline concentration due to other additives.

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
Escherichia coli ATCC® 25922	Good	-
Escherichia coli ATCC® 8739	Good	-
Escherichia coli ATCC® 35218	Good	-
Escherichia coli ATCC® 11775	Good	-

References

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. ISO 11133:2014/ Adm 1:2018. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
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· LURIA, S. E. & J. W. BURROUS (1955) Hybridization between Escherichia coli and Shigella. J. Bacteriol. 74:461-476.
· MILLER, J.H. (1972) Experiments in molecular genetics. Cold Spring Harbour Laboratory. Cold Spring Harbour. NY.
· 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 ºC to 30 ºC).