

Reference : 02-385 Product : LB Broth acc. to Miller

Specification

Liquid medium for general purposes and molecular genetic studies of Escherichia coli.

Formula * in g/L

Casein peptone	10.0
Yeast extract	5.0
Sodium chloride	10.0

Final pH 7,0 ±0,2 at 25 °C

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

Directions

Dissolve 25 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

LB Media was originally formulated by Luria and Burrous, but Lennox added sodium chloride to improve the osmolarity of the media. The formulation of this broth is according to the Lennox recipe, modified by Miller, who has increased the sodium chloride concentration.

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: 18-24 h

Inoculum: Practical range 100 ± 20 CFU. Min. 50 CFU (Productivity)

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

References

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- MILLER, J.H. (1992) A short course in bacterial genetics: A laboratory manual and handbook for Escherichia coli and related bacteria, p. 194-195. Cold Spring HarborLaboratory Press, Cold Spring Harbor, N.Y

Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+2 °C to 25 °C).