

TECHNICAL DATA SHEET

Article No. 8822

LB Broth acc. to Miller

SYNONYMS

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SPECIFICATION

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

FORMULA* IN G/L

Tryptone	10.0
Yeast extract	5.0
Sodium chloride	10.0

Final pH 7.2 ±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 sterilise by autoclaving at 121 °C for 15 minutes.

DESCRIPTION

LB Medium was originally formulated by Luria and Burrous, but Lennox added sodium chloride to improve the osmolarity of the medium. 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 their laboratory.

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Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Thomas Roth

QUALITY CONTROL

- Incubation temperature: 35 ±2.0 °C
- Incubation time: 24 ±3 h
- Inoculum: Practical range 100 ±20 CFU. Min. 50 CFU (productivity).

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

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- SAMBROOK, J., E.F. FITSCH & T. MANIATIS (1989) Molecular cloning: A laboratory manual. 2nd ed. Cold Spring Harbor Laboratory. Cold Spring Harbor, N.Y.

STORAGE

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

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