

TECHNICAL DATA SHEET

Article No. 8843

LB Agar acc. to Miller

SYNONYMS

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SPECIFICATION

Solid medium for general purposes and recommended for use in molecular genetics studies of *Escherichia coli*.

FORMULA* IN G/L

Tryptone	10.0
Yeast extract	5.0
Sodium chloride	10.0
Agar	15.0

Final pH 7.2 ±0.2 at 25 °C

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

DIRECTIONS

Suspend 40 g of powder in 1 l of distilled water and bring to the boil stirring constantly. Distribute into suitable containers and sterilise by autoclaving 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 medium. Formulation of this solid medium was, according to the Lennox formulation, modified by Miller, who 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® 11775	Productivity > 0.70	-
<i>Escherichia coli</i> ATCC® 8739	Productivity > 0.70	-
<i>Escherichia coli</i> ATCC® 25922	Productivity > 0.70	-
<i>Escherichia coli</i> ATCC® 35218	Productivity > 0.70	-

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- MILLER, J.H. (1972) Experiments in Molecular Genetics. Cold Spring Harbor Laboratory. Cold Spring Harbor, N.Y.
- 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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