

# TECHNICAL DATA SHEET

Article No. 8891

LB Broth acc. to Lennox

## SYNONYMS

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## SPECIFICATION

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

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## 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.

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## DIRECTIONS

Dissolve 20 g of powder in 1 l of distilled water. Distribute into suitable containers and sterilise by autoclaving at 121 °C for 15 minutes.

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## DESCRIPTION

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

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## 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® 25922 | Good   | -       |
| <i>Escherichia coli</i> ATCC® 8739  | Good   | -       |
| <i>Escherichia coli</i> ATCC® 35218 | Good   | -       |
| <i>Escherichia coli</i> ATCC® 11775 | Good   | -       |

## REFERENCES

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- AUSUBEL, F.M., R. BRENT, R.E. KINGSTON, D.D. MOORE, J.G. SEIDMAN, J.A. SMITH & K. STRUHL (1994). Current protocols in molecular biology. Greene Pub. Assoc. Inc. Brooklyn, N.Y.
- ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- LENNOX, E.S. (1955) Transduction of linked genetic character 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 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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