

TECHNICAL DATA SHEET

Article No. 8876

LB Agar acc. to Lennox

SYNONYMS

-

SPECIFICATION

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

FORMULA* IN G/L

| | |
|-----------------|------|
| Tryptone | 10.0 |
| Yeast extract | 5.0 |
| Sodium chloride | 5.0 |
| Agar | 15.0 |

Final pH 7.0 ±0.2 at 25 °C

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

DIRECTIONS

Suspend 35 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.

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.

QUALITY CONTROL

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

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

| Microorganism | Growth | Remarks |
|---|---------------------|---------|
| <i>Escherichia coli</i> ATCC [®] 25922 | Productivity > 0.70 | - |
| <i>Escherichia coli</i> ATCC [®] 8739 | Productivity > 0.70 | - |
| <i>Escherichia coli</i> ATCC [®] 35218 | Productivity > 0.70 | - |
| <i>Escherichia coli</i> ATCC [®] 11775 | Productivity > 0.70 | - |

REFERENCES

- ATLAS, R.M., L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press, Inc. London.
- 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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