

## LB broth (Miller)

DEHYDRATED MEDIUM

Art. 84649.0500

### Intended use

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

### Formula \* - Composition 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

### Instructions for preparation

Dissolve 25 g of powder in 1 l of purified water. Distribute into suitable containers and sterilize in the autoclave at 121°C for 15 minutes.

### Principle of the method and general information

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.

### Quality control

**Incubation temperature:** 35°C

**Incubation time:** 24 h

**Inoculum:** 10-100 CFU (according to standard ISO/TS 11133-1/2)

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	-

### References

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- LENNOX, E.S. (1955) Transduction of linked genetic character of the host bacteriophage P1. Virology 1:190-206.
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- SAMBROOK, J., E.F. FITSCH & T. MANIATIS (1989) Molecular cloning: A laboratory manual. 2<sup>nd</sup> ed. Cold Spring Harbor Laboratory. Cold Spring Harbor. NY.

### Storage conditions

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4°C to 30°C and <60% RH).

### Ordering information

84649.0500 LB broth (Miller) Bottle of 500 g.

Note: For supplements see the section - Instruction for preparations.