

# LB-Broth (LENNOX)

Cat. No. 1.00547.0500  
(500 g)

For the cultivation of E. coli in fermentation and molecular genetic studies.

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## Mode of Action

LB-Broth is based on the formulation of LENNOX (1955) supporting growth of E. coli. Casein peptone and yeast extract supply essential growth factors, such as nitrogen, carbon, sulfur, minerals and vitamins. Compared to LB-Broth (MILLER) the sodium chloride content is reduced to 5.0 g/l.

## Typical Composition (g/litre)

### LB-Broth:

Yeast extract 5.0; peptone from casein 10.0; sodium chloride 5.0.

## Preparation

Suspend 20 g LB-Broth in 1 litre of demin. water and autoclave for 15 min at 121 °C.

pH: 7.0 ± 0.2 at 25 °C.

The prepared broth is clear and yellowish.

## Experimental Procedure

According to appropriate use or purpose.

Incubation: 24 h at 35-37 °C aerobically.

## Quality control

<i>Test strains</i>	<i>Growth</i>
Escherichia coli ATCC 25922	good
Escherichia coli ATCC 11775	good

## Literature

Deaso LENNOX E.S., 1955, Transduction of Linked Genetic Characters of the host by bacteriophage P1., **Virology**, 1:190.

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