

# Technical Data Sheet

## LB Medium powder according to Lennox

for molecular biology

Order number: 1308

LB powder mixture (Lysogeny broth<sup>1</sup>, often also called Luria-Bertani medium) for the preparation of a microbiological liquid medium according to Lennox<sup>2</sup>. The medium contains peptides, amino acids, water-soluble vitamins, trace elements and minerals, and is the most widely used medium for the cultivation of (recombinant) E. coli strains. The low-salt formulation of Lennox is advantageous for work that requires the use of salt-sensitive antibiotics. LB medium is the standard medium for E. coli-based molecular biology work, such as the propagation and selection of plasmids and the expression of recombinant proteins.

### Composition

Yeast Extract	5 g/l
NaCl	5 g/l
Tryptone	10 g/l

Store at ambient temperature and keep product dry.

### Preparation

Dissolve 20 g of the powder mixture in one litre (final volume) of distilled water. The pH value of the 2% solution is 6.8 to 7.2 at 25°C. Adjustment of the pH value is not necessary for common applications. The medium is sterilized in an autoclave at 121°C for 20 minutes. After cooling, heat-sensitive additives such as antibiotics can be added.

### Related products

1110	Agarose Basic for molecular biology
1531	DNA Marker 1 kb (lyophilized) for molecular biology
1254	Ethidium bromide - Solution 0.07 % dropping bottle for electrophoresis
1317	LB Agar powder according to Lennox for molecular biology
1311	LB Medium powder according to Miller for molecular biology
1321	LB Agar powder according to Miller for molecular biology

<sup>1</sup>Bertani, G. (1951). Studies on lysogenesis. I. The mode of phage liberation by lysogenic Escherichia coli. J. Bacteriol. 62:293-300.

<sup>2</sup>Lennox, E. S. (1955). Transduction of linked genetic characters of the host by bacteriophage P1. Virology. 1:190-206.

