

# PRODUCT INFORMATION

## LB Broth (Lennox L Broth)

Cat. No. L12-101



**ALPHA**<sup>™</sup>  
BIOSCIENCES

Date of Issue:  
10/01/17

### DESCRIPTION

LB Broth is used for the growth and maintenance of *E. coli* being used in molecular microbiology processes. This nutrient-rich microbial broth contains peptides, amino acids and carbohydrates in a low-salt formulation.

### PREPARATION

Mix 20 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

#### Formula\* per Liter:

Enzymatic Digest of Casein .....	10.0g
Sodium Chloride .....	5.0g
Yeast Extract .....	5.0g

**Final pH:** 7.2 ± 0.2 at 25°C

\* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is clear and light yellow with little or no precipitate.
3. Expected cultural response after 18-24 hours at 35°C.

#### Organism:

*Escherichia coli* ATCC® 23724  
*Escherichia coli* ATCC® 33694  
*Escherichia coli* ATCC® 33849  
*Escherichia coli* ATCC® 39403  
*Escherichia coli* ATCC® 47014  
*Escherichia coli* ATCC® 53868

#### Result:

Good to excellent growth  
Good to excellent growth  
Fair to excellent growth  
Good to excellent growth  
Good to excellent growth  
Good to excellent growth

### STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.