



Product Specifications

LB MILLER BROTH

| <u>Catalog #</u> | <u>Size</u> |
|------------------|-------------|
| IB49010 | 25gm |
| IB49020 | 500gm |
| IB49030 | 2Kg |
| IB49040 | 10Kg |

Physical Specifications

CAS# N/A
pH (@ 25°C) 7.0 ± 0.2
NOTE: Grams per liter may be adjusted to obtain desired performance.

Molecular Biology Specifications

Escherichia coli ATCC 23724 Growth
Escherichia coli ATCC 33694 Growth
Escherichia coli ATCC 33849 Growth
Escherichia coli ATCC 39403 Growth
Escherichia coli ATCC 47014 Growth
Escherichia coli ATCC 53868 Growth

Formula per Liter

- Casein Digest Peptone 10.0gm
- Sodium Chloride 10.0gm
- Yeast Extract 5.0gm

Preparation

- Mix 25gm of the medium in 1L of purified water until evenly dispersed.
- Heat with repeated stirring, and boil for one minute to dissolve completely.
- Distribute and autoclave at 121.0°C for 15 minutes.

Recommended Use

IBI's Luria Broth (LB Miller) is used in molecular genetic studies, as well as maintaining and propagating E.coli in molecular and microbiology procedures. The inclusion of casein peptone and yeast extract supply essential growth factors; such as nitrogen, sulfur, minerals, and vitamins. Sodium chloride provides essential electrolytes.

Storage

Store at room temperature. Keep tightly sealed. Protect from moisture and light.

Warning

Irritant. Irritating to the eyes, respiratory system, and skin. Wear suitable protective clothing, gloves, and eye/face protection. See Material Safety Data Sheet for additional information.