



Dehydrated Culture Media
Instructions for Use

LB AGAR, LENNOX (M178) Dehydrated Culture Media

USE: LB Agar, Lennox is used for maintaining and cultivating recombinant strains of *Escherichia coli*.

DESCRIPTION: LB Agar, Lennox is nutritionally rich media developed by Lennox for the growth and maintenance of pure cultures of recombinant strains of *E. coli*.²

LB Agar, Lennox provides all the nutritional requirements of these organisms and contains half the sodium chloride level of the Miller formulation of LB Agar.² This allows the researcher to select the optimal salt concentration for a specific strain.

FORMULA:

Tryptone	10.0 g/L
Yeast Extract	5.0 g/L
Sodium Chloride	5.0 g/L
Agar	15.0 g/L
Total	35.0 g/L

Note: Medium may be adjusted and/or supplemented as required to meet performance criteria.

Final pH: 7.0 ± 0.2 at 25°C

PHYSICAL APPEARANCE:

Dehydrated Appearance – Light beige, free-flowing, homogeneous.

Prepared Appearance – Medium amber, very slightly to slightly opalescent.

PROCEDURE: Mix 35 grams of the medium in one liter of purified water. Autoclave at 121°C for 15 minutes.

EXPECTED RESULTS: Cultural response after 18-24 hours at 35°C.

Microorganism	CFU	Growth
<i>E. coli</i> ATCC™ 25922	10 ² 3x10 ²	+
<i>E. coli</i> ATCC™ 8739	10 ² 3x10 ²	+
<i>E. coli</i> ATCC™ 43888	10 ² 3x10 ²	+

STORAGE: Store the product at 2-30°C protected from moisture for up to the expiration date.

LIMITATIONS: For laboratory use only. The dehydrated medium should be discarded if there are any changes in the color or if it is no longer free flowing.

SIZES AVAILABLE: 500 g, 2 kg, 10 kg

PACKAGING: Additional configurations are available upon request.

REFERENCES:

1. Lennox. 1955. Virology 1:190.
2. Ausubel, Brent, Kingston, Moore, Seidman, Smith and Struhl (ed.). 1994. Current protocols in molecular biology, vol. 1. Green Publishing Associates, Inc. Brooklyn, NY.
3. Miller. 1972. Experiments in molecular genetics. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
4. Sambrook, Fritsch and Maniatis. 1989. Molecular cloning: a laboratory manual, 2nd ed. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY.

Millennium LifeSciences, Inc.
CultureMediaConcepts®
970 E. Orangethorpe Ave, Unit A
Anaheim, CA 92801
TEL: (714) 773-1726
FAX: (714) 773-1793