

★ Storage

Store at Room Temperature

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- Product Manual
- LB Broth, Miller

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Shipping Condition

Ship at ambient temperature

★ Introduction

Miller's LB is a highly-referenced microbial growth medium used for the cultivation of *E. coli*. This nutrient-rich microbial broth contains peptides, amino acids, water-soluble vitamins, and carbohydrates.

★ Application

Suitable for non-selective cultivation of *E. coli* strains for cloning, DNA plasmid production and production of recombinant proteins. Also suitable for selective cultivation when appropriate antibiotics are added.

★ Formulation

Components	Concentration
Tryptone	10g/L
Yeast Extract	5g/L
NaCl	10g/L

★ Preparation of LB Liquid Medium

1. Suspend 25.0 grams of medium in 1000 ml of demineralized water and mix well.
2. Sterilize by autoclaving at 121°C for 15 minutes or following established laboratory procedures.
3. Dispense into appropriate containers.

★ Specification

Components	Concentration
Appearance	Off-White to Light Yellow
Solubility (in H ₂ O), 25g/L	< 30 minutes
pH at ~ 22°C	6.8 - 7.2
Osmolality	380-410

★ Related Products

Product Name	Cat No
LB Agar, Lennox	L2201
LB Agar, Miller	L2202
LB Broth, Lennox , 1 g tablet	L2208
LB Broth, Lennox, 20 g tablet	L2308
X-Gal	X0320
IPTG	I0355