Edition 05/2024

STBIO MEDIA, INC.
6F No25 Ln169 Kangning St
Xizhi Dist New Taipei City Taiwan
T 02 2788 8601 F 02 2788 8602
www.stbioinc.com

ISO 22000 Certified

TECHNICAL DATA

LB BROTH MILLER H 21621

APPLICATION

LB Broth Miller H is used for maintaining and cultivating recombinant strains of *Escherichia coli*.

SPECIFICATIONS

ANALYTICAL ITEM	*STANDARD*
Appearance	Cream powder
Solubility in water	Complete
Tryptone (enzymatic digest of casein)	10.0 g
Yeast Extract	5.0 g
Sodium Chloride	10.0 g
Approximate formula per liter	25.0 g
pH (at 25°C)	6.5 ± 0.5

DIRECTIONS FOR PREPARATION FROM DEHYDRATED PRODUCT

1. Suspend LB Broth Miller H 25g in 1 L of purified water and mix well.
2. Heat and boil for 1 minute. Stir to completely dissolve the power.
3. Autoclave at 121°C for 15 minutes.
4. Test samples of the finished product for performance using stable, typical control cultures.

PRINCIPLE AND INTERPRETATION

Peptone provides nitrogen and carbon. Vitamins (including B vitamins) and certain trace elements are provided by yeast extract. Sodium ions for transport and osmotic balance are provided by sodium chloride.

CULTURAL RESPONSE

Prepare the medium per label directions. Inoculate and incubate at 35 ± 2°C for 18-24 hours.

ORGANISM	*ATCC™*	*INOCULUM CFU*	*RECOVERY*
Escherichia coli	33526 (K802)	10^2-10^3	Good

PACKING AND STORAGE

500 g polyethylene bottle.
5 kg plastic drum with inner polyethylene bags.
When stored in sealed containers at 2-8 °C refrigerator, the expected shelf life is 3 years.

HEALTH AND SAFETY INFORMATION

Dusty powder. Avoid inhalation.