LB Agar Instructions For Use

NAME

LB Agar

PRODUCT CODE

LBA-250

SPECIFICATION

Bottle of 250 g

MEDIUM PURPOSE

For for the preservation and cultivation of Escherichia coli in molecular biology experiments.

PREPARATION

Suspend 40.0 g in 1 L of distilled or deionized water. Dispense and autoclave it at 121 ℃ for 20min.

PRINCIPLE

Tryptone and yeast extract provide carbon source, nitrogen source, vitamins and minerals. Sodium chloride maintains a balanced osmotic pressure. Agar is the coagulant of culture medium.

COMPOSITION

Composition	Amount (g/L)
Tryptone	10.0
Yeast Extract	5.0
Sodium Chloride	10.0
Agar	15.0
Final pH (25 ℃)	7.0±0.2

QUALITY CONTROL Incubate at 36±1 ℃ for 12 ~18 h.

Microorganism	Standard values
Escherichia coli ATCC 25922	PR ≥ 0.7, grayish white colonies
Escherichia coli DH5 α	PR ≥ 0.7, grayish white colonies
Escherichia coli HB101	PR ≥ 0.7, grayish white colonies

STORAGE

Store in a dry place away from light, tighten the cap immediately after use.

WARNINGS & PRECAUTIONS

1. NOT for clinical use.
2. Do not use the product if it exhibits severe caking.
3. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.