

LB Agar (Lennox), Powder

Cat. No. 48502

Product Description:

General LB Agar after the recipe of Lennox for cultivation of *E. coli* on agar plates¹.
LB Medium is a standard medium for growth and propagation of *E. coli*. The salt content is suitable for plasmid production, but enables as well the addition of magnesium chloride by phage amplifications. Ideal for cultures, which need salt-sensitive antibiotics e.g. Zeocin.

Composition	Component	Concentration
	Tryptone	10 g/l
	Yeast extract	5 g/l
	NaCl	5 g/l
	Agar	15 g/l

Storage Recommended storage temperature of powder is +15 °C – +30 °C. Keep container tightly closed, because powder is very hygroscopic.

Solution procedure:

To prepare 1 l medium:

1. Fill 900 ml water dest. in an 1-liter flask.
Suspend 35 g powder medium while stirring.
Adjust to pH 7 with ca. 0.2 ml 5 N NaOH with stirring, fill up to a final volume of 1 liter.
2. Then autoclave for 20 min. at 121 °C.
3. Cool to 45 °C prior to dispensing into sterile Petri dishes.

¹ Bertani, G. (2004): Lysogeny at mid-twentieth century: P1, P2, and other experimental systems. In: J. Bacteriol. Bd. 186, Nr. 3, S. 595-600.