

LB Agar (Lenox)

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 saltsensitive antibiotica 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 for 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 P etri dishes.

Ordering information:

Cat.-Nr:	Description	amount
CE178	LB-Agar - Powder according to Lennox	500 gr
CE179	LB-Agar - Powder according to Lennox	2500 gr

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.