

LB-Medium - Powder according to Lennox

Luria-Bertani - Medium according to Lennox for the cultivation of E. coli in molecular biology

Product No. A6666

Description

Composition:	NaCl (A1149)	5 g/L
	Tryptone (A1553)	10 g/L
	Yeast extract (A1552)	5 g/L
adjust pH:	7.0 ± 0.2 (with NaOH)	
Storage:	Room temperature	

Comment:

This is another rich medium for the growth of bacteria. The original recipe of LB medium does not contain NaOH. The medium is not very highly buffered, and adjustment of the pH to 7 will not prevent that the pH drops when a culture grows near to saturation. Lennox-Medium differs from Miller-Medium just by the quantity of sodium chloride. The packaging sizes differ in terms of the amount: you can choose between packages in liter (L) or gram (g) and kilogram (kg), respectively. Liter packs dissolved in the corresponding volume will give the correct concentration. When using the gram and kilogram packs, aliquots of the powder have to be dissolved. To prepare one liter of LB-Medium according to Lennox, 20 g of powder are dissolved.

Directions:

Dissolve the powder in 900 ml of water; adjust pH to 7.0 with 5 N NaOH (approx. 0.2 ml), fill to 1000 ml and autoclave. Antibiotics and nutritional supplements should be added only after the solution has cooled to 50°C or below, since many of them are heat-sensitive.

Application and Literature

(1) Ausubel, F.A., Brent, R., Kingston, R.E., Moore, D.D., Seidman, J.G., Smith, J.A. & Struhl, K. (eds.) (1995) *Current Protocols in Molecular Biology*. Page 1.1.2 (Suppl. 59) Greene Publishing & Wiley-Interscience, New York.

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