

LB-Medium – Powder according to Miller

LB-Medium, high salt

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

Product No. A0954

Description

Composition:	NaCl (A1149)	10 g/L
	Tryptone (A1553)	10 g/L
	Yeast extract (A1552)	5 g/L

Storage: RT

Comment

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 Miller, 25 g of powder are dissolved.

Directions to prepare 1 liter medium/agar: Dissolve the powder in 900 ml of water; **adjust pH to 7.5** 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.

Reference

(1) Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning: A Laboratory Manual*, 2nd Edition. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York.