LB-Agar – Powder according to Miller

For Luria-Bertani Agar plates according to Miller for the cultivation of E. coli in molecular biology.
Product No. A0927

Description

Composition:

Agar (A0949)	15 g/L
NaCl (A1149)	10 g/L
Tryptone (A1553)	10 g/L
Yeast extract (A1552)	5 g/L

Storage: Room temperature

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-Agar according to Miller, 40 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.

Application and Literature

(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.

Version: JG2/06082015