3050 Spruce Street, St. Louis, MO 63103 USA
Tel: (800) 521-8956 (314) 771-5765 Fax: (800) 325-5052 (314) 771-5757
email: techservice@sial.com sigma-aldrich.com

Product Information

LB Broth with agar (Lennox)
Tablet, microbial growth medium

Catalog Number **L7025**
Store at Room Temperature

Product Description

LB (Luria-Bertini) broth is a widely used medium for growth and propagation of bacteria.[1-5] Several variations of LB broth are also used in bacteriology.[4] The addition of NaCl at 5 g/L gives the LB broth variation known as LB Broth, Lennox.[1,4]

The LB Agar Tablets (Lennox) are for fast and convenient preparation of medium without weighing. Each tablet makes 50 mL of medium (1.68 g per tablet).

This product has been used in studies related to ovarian gene expression.[6]

Components

9.14 g/L	Enzymatic digest of casein (tryptone)
4.57 g/L	Yeast extract (low sodium)
4.57 g/L	Sodium chloride
13.72 g/L	Bacteriological agar
1.6 g/L	Inert tableting aids/binding agents
33.6 g/L	

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

1. Add one tablet to a suitable container.
2. Bring the volume to 50 mL with deionized water.
3. Autoclave for 20 minutes at 121 °C.

There is no need to suspend the tablet in water before autoclaving. If using multiple tablets at one time, suspend the tablets in an appropriate volume of deionized water, and disperse before autoclaving.

References

1. Lennox, E.S., *Virology*, **1(2)**, 190-206 (1955).
2. Kennedy, C.K., *J. Bacteriol.*, **108(1)**, 10-19 (1971).
3. Enquist, L., and Sternberg, N., *Meth. Enzymol.*, **68**, 281-298 (1979).
4. Sezonov, G. *et al*., *J. Bacteriol*., **189(23)**, 8746-8749 (2007).
5. Carroll, C.W., and Keller, L.C., *Biochem. Mol. Biol. Educ*., **42(6)**, 486-494 (2014).
6. Espey, L.L., "Comprehensive Analysis of Ovarian Gene Expression During Ovulation Using Differential Display", in *Methods in Molecular Biology: Differential Display Methods and Protocols* (2nd ed.; P. Liang *et al*., eds.). Humana Press (Totowa, NJ), Vol. 317, Chapter 14, pp. 219-242 (2006).

ND,SU,GCY,MAM 11/18-1