Product Information Sheet

L5225
LB Agar, Miller Modification, ADP-Free

Properties

Form:	Powder
Appearance:	Cream to Tan Powder
Application:	Bacterial & Fungal Screening; Microbiology & Phytopathology
Solubility:	Partially Soluble in Water
Typical Working Concentration:	41 g/L
Storage Temp:	2 - 6° C
Storage Temp of Stock Solution:	Preparation of concentrated solution is not recommended as insoluble precipitates may form.
Other Notes:	This medium is free of animal derived products (ADP).

Formula	(mg/L)
Agar	12,000
Peptone, from Soy	14,000
Sodium Chloride	10,000
Yeast Extract	5,000

Application Notes

This medium is typically used to grow *Escherichia coli* for molecular biology applications. This is a rich medium that promotes rapid growth of pure cultures of recombinant strains.

References

Lennox, ES. 1955. Transduction of linked genetic characters of the host by bacteriophage P1. Virology. 1:190-206.
Luria, SE, and JW Burrous. 1955. Hybridization between Escherichia coli and Shigella. J. Bacteriol. 74:461-476.
Luria, SE, JN Adams, and RC Ting. 1960. Transduction of lactose-utilizing ability among strain of E. coli and S. dysenteriae and the properties of the transducing phage particles. Virology. 12:348-390.
Miller, JH 1972. Experiment in molecular genetics. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.
Sambrook, J, EF Fritsch, and T Maniatis. 1989. Molecular Cloning: A Laboratory Manual, 2nd Edition. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

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