

L591
LB BROTH SOLUTION w/ GLYCEROL
LENNOX L MODIFICATION

Properties

Form:	Liquid
Appearance:	Yellow to Tan, Clear Liquid
Application:	Microbiology, Phytopathology
Solubility:	Miscible with Water
Typical Working Concentration:	1x
Storage Temp:	2-6°C
Other Notes:	Sterile Filtered, 1x Concentration

Formula (mg or mL/L)

Sodium Chloride	5000 mg
Yeast Extract	5000 mg
Tryptone	10000 mg
Glycerol	4.0 mL

Application Notes

This is a rich medium that promotes rapid growth of pure cultures of recombinant strains. It is a modification of the Lennox Broth in that it contains 4.0 mL/L of glycerol which serves as a carbon source for enhanced growth. This medium is typically used to grow *Escherichia coli* for molecular biology applications.

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. *Experiments 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.