LB Broth High Salt Modified

Medium used for the cultivation and enumeration of recombinant strains of *Escherichia coli*.

• CONTENTS (Liter)

Tryptone	10.0 g
Yeast Extract	5.0 g
Sodium Chloride	20.0 g

Final pH = 7.0 ± 0.2 at 25°C

• PROCEDURE

Suspend 35.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

• INTERPRETATION

LB Broth High Salt Modified is a medium used for the cultivation and enumeration of recombinant strains of *Escherichia coli*. Tryptone and yeast extract provide nitrogen, carbon, vitamins and minerals. Sodium chloride maintains the osmotic balance.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 35 ± 2°C for 18 - 24 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium
Appearance: free-flowing, homogeneous
Color: light beige
Prepared medium
Appearance: clear to slightly opalescent
Color: light amber
Incubation conditions: 35 ± 2°C / 18 - 24 hours

Microorganism	ATCC	Growth
Escherichia coli	23724 (C600)	good
Escherichia coli	33694 (HB101)	good

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Lennox. 1955.Virology 1:190.
2. Ausubel, Brent, Kingston, Moore, Seidman, Smith and Struhl (ed.). 1994. Current protocols in molecular biology, vol. 1. Green Publishing Associates, Inc., Brooklyn, N.Y.
3. Miller. 1972. Experiments in molecular genetics. Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y.
4. Sambrook, Fritsch and Maniatis. 1989. Molecular cloning: a laboratory manual, 2nd ed. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y.

• PACKAGE

Cat. No : MB-L0721 LB Broth High Salt Modified	500 G