Miller LB Agar (Luria Agar)
Catalog No. MLBA-500, MLBA-2500, MLBA-10K

Product Information

Use: Miller LB Agar is used in molecular genetic studies.

Description: The inclusion of casein peptone and yeast extract supply essential growth factors, such as nitrogen, carbon, sulfur, minerals and vitamins. Sodium chloride provides essential electrolytes. Agar is used as a solidification agent.

Formula* per Liter:

Tryptone (Casein Digest Peptone)	……10.0g
Yeast Extract	……5.0g
Agar	……15.0g
Sodium Chloride	……10.0g

Final pH: 7.0 ± 0.2 at 25.0°C

*** Grams per liter may be adjusted or formula supplemented to obtain desired performance.**

Preparation: Mix 40.0 grams of the medium in one Liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121.0°C for 15 minutes.

Quality Control Specifications:

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is clear and yellow beige
3. Expected cultural response after 18-24 hours at 35.0°C.

Organism	Result
Escherichia coli ATCC 23724	Growth
Escherichia coli ATCC 33694	Growth
Escherichia coli ATCC 33849	Growth
Escherichia coli ATCC 39403	Growth
Escherichia coli ATCC 47014	Growth
Escherichia coli ATCC 53868	Growth

Storage: Store the sealed bottle containing the dehydrated medium at 2 to 30.0°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original light beige color.

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