

PRODUCT INFORMATION

Luria Agar (Miller's LB Agar)

Cat. No. L12-111



ALPHA[™]
BIOSCIENCES

Date of Issue:
10/01/17

DESCRIPTION

Luria Agar (Miller's LB Agar) is used for maintaining *Escherichia coli* in molecular genetic studies.

PREPARATION

Mix 40 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°C for 15 minutes

Formula* per Liter:

Enzymatic Digest of Casein	10.0g
Sodium Chloride	10.0g
Yeast Extract.....	5.0g
Agar	15.0g

Final pH: 7.0 ± 0.2 at 25°C

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

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and beige.
2. Visually the prepared medium is trace to light haze, amber.
3. Expected cultural response after 18-24 hours at 35°C.

Organism:

Escherichia coli ATCC® 23724
Escherichia coli ATCC® 33694
Escherichia coli ATCC® 33849
Escherichia coli ATCC® 39403
Escherichia coli ATCC® 47014

Result:

Growth
Growth
Growth
Growth
Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°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 color.