

PRODUCT INFORMATION

Luria Agar (Miller's Modified)

Cat. No. L12-115



Date of Issue:
10/01/17

DESCRIPTION

Luria Agar (Miller's Modified) is used for molecular genetic studies.

PREPARATION

Mix 30.5 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
Yeast Extract.....	5.0g
Sodium Chloride	0.5g
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, with no to light precipitate, and light amber
3. Expected cultural response after 18-24 hours at 35°C.

Microorganism	Approx. Inoculum (CFU)	Expected Results
<i>Escherichia coli</i> ATCC® 23724	10-300	Growth
<i>Escherichia coli</i> ATCC® 33694	10-300	Growth
<i>Escherichia coli</i> ATCC® 33849	10-300	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.