

PRODUCT INFORMATION

Luria Broth (Miller's Modified)

Cat. No. L12-116

DESCRIPTION

Miller's Broth is used in molecular genetic studies. The inclusion of casein peptone and yeast extract supplies essential growth factors, such as nitrogen, carbon, sulfur, minerals and vitamins. Sodium chloride is provided at minimal concentration.

FORMULA (g/L)

Casein Digest Peptone	10.0 g	Sodium Chloride	0.5 g
Yeast Extract	5.0 g		

Final pH: 7.0 ± 0.2 at 25 °C

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

PREPARATION

Mix 15.5 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.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light beige.
2. Visually the prepared medium is clear and light yellow.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 23724	Good Growth
<i>Escherichia coli</i> ATCC 33694	Good Growth
<i>Escherichia coli</i> ATCC 33849	Good Growth
<i>Escherichia coli</i> ATCC 39403	Good Growth
<i>Escherichia coli</i> ATCC 47014	Good Growth
<i>Escherichia coli</i> ATCC 53868	Good 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.

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