

TECHNICAL DATA SHEET

Article No. 9360

LB Broth acc. to Miller, ready-to-use culture medium

SPECIFICATION

Prepared medium. Liquid medium for general purposes and molecular genetics studies of Escherichia coli.

Colour: Straw-coloured yellow pH: 7.0 ± 0.2 at 25° C

COMPOSITION IN G/L

Casein peptone 10.00 Sodium chloride 10.00 Yeast extract 5.00

PACKAGE DETAILS

9360-10x100ML

 $\begin{array}{ccc} \mbox{Volume} & 100 \pm 3 \ \mbox{ml} \\ \mbox{Bottle size} & 125 \ \mbox{ml} \\ \mbox{Packaging unit} & 10 \ \mbox{bottles} \end{array}$

1 box with 10 x 100 ml in 125-ml-bottles. Injectable cap: Plastic screw inner cap.

DESCRIPTION/TECHNIQUE

Description

LB Medium was originally formulated by Luria and Burrous, Lennox added sodium chloride to improve the osmolarity of the media. The formulation of this broth is according to the Lennox recipe, modified by Miller, who has increased the sodium chloride concentration.

Technique

Collect, dilute and prepare isolates and cultures as required according to specifications, directives, official standard regulations and/or expected results. Dispense liquid medium in appropriate containers if the original container is of large volume.

Inoculate aseptically the bottles with the prepared sample or its dilution. Incubate the bottles tightly closed aerobically at 35-37°C for 24-48 h. Incubation times, temperature and sample volumes may vary depending on the sample, on the specifications.





This medium can be used to inoculate any confirmatory, secondary medium by streaking methodology or by spiral method. After incubation, enumerate all the colonies that have appeared onto the surface of the secondary agar. Each laboratory must evaluate the results according to their specifications.

MICROBIOLOGICAL CONTROL

Prepare tubes - Inoculate: Practical range 100 ± 20 CFU. min. 50 CFU (productivity).

Microbiological control according to the current version of the ISO 11133:2014/A1:2018.

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 35 ± 2 °C, reading after 18-24 hours.

Microorganism	Growth
Escherichia coli ATCC® 25922, WDCM 00013	Good
Escherichia coli ATCC [®] 8739, WDCM 00012	Good
Escherichia coli ATCC® 11775, WDCM 00090	Good
Escherichia coli ATCC® 35218	Good

Sterility control:

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH. Check at 7 days after incubation in same conditions.

REFERENCES

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STORAGE

8 - 25 °C

SHELF LIFE

16 months unopened from date of manufacture

updated: 05.06.2023

