

PRODUCT INFORMATION

Your Smarter Culture Media Choice



Lethen Broth Base, Modified

Cat. No. L12-109M

Date of issue
12/10/14

DESCRIPTION

Lethen Broth Base, Modified is used to determine the antimicrobial activity of quaternary ammonium compounds.

Formula* per Liter:

Meat Peptone.....	20.0g
Beef Extract.....	5.0g
Pancreatic Digest of Casein.....	5.0g
Yeast Extract.....	2.0g
Lecithin.....	0.7g
Tween 80.....	5.0g
Sodium Chloride.....	5.0g
Sodium Bisulfite.....	0.1g

Final pH: 7.2 ± 0.2 at 25°C

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

PREPARATION

Mix 42.8 grams of the medium of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing with soft lump, and tan to yellow beige.
2. Visually the prepared medium is gold to light amber and clear to trace hazy.
3. Expected cultural response after incubation at 35°C and observed after 18-24 hours.

Organism:

Enterococcus faecalis ATCC® 29212
Escherichia coli ATCC® 25922
Pseudomonas aeruginosa ATCC® 25923
Staphylococcus aureus ATCC® 25923

Result:

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.