

## PRODUCT INFORMATION

Lethen Broth Base, Modified

Cat. No. L12-109M

### DESCRIPTION

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

### FORMULA (g/L)

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

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 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 with soft lumps 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 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Enterococcus faecalis</i> ATCC 29212	Good Growth
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Pseudomonas aeruginosa</i> ATCC 27853	Good Growth
<i>Staphylococcus aureus</i> ATCC 25923	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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