

PRODUCT INFORMATION

Lethen Broth Base

Cat. No. L12-109

DESCRIPTION

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

FORMULA (g/L)

Meat Peptone	10.0 g	Beef Extract	5.0 g
Lecithin	0.7 g	Sodium Chloride	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 20.7 grams of the medium in one liter of purified water until evenly dispersed and add 5g of Tween 80. 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 lumps and tan to yellow beige.
2. Visually the prepared medium is gold to light amber, clear to moderate haze.
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>Salmonella typhimurium</i> ATCC 14028	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.

Version 01 – Date 07/02/24