

PRODUCT INFORMATION

Purple Broth Base

Cat. No. P16-117

DESCRIPTION

Purple Broth Base is a liquid medium recommended for use in qualitative procedures for the determination of fermentation reactions of microorganisms, especially enteric gram-negative bacilli.

FORMULA (g/L)

Pancreatic digest of gelatin peptone	10.4 g	Sodium chloride	5.0 g
Bromcresol purple free acid	0.02 g		

Final pH: 6.8 ± 0.2 at 25 °C

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

PREPARATION

Mix 15.42 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, with or without a faint purple tint.
2. Visually the prepared medium is purple, brilliant to clear, with none to light precipitate.
3. Expected cultural response after 18-48 hours at 35 °C ± 2°C.

ORGANISM	GROWTH	GAS REACTION (PLAIN)
<i>Enterococcus faecalis</i> ATCC 29212	Good Growth	Gas negative
<i>Escherichia coli</i> ATCC 25922	Good Growth	Gas negative
<i>Klebsiella pneumoniae</i> ATCC 13883	Good Growth	Gas negative
<i>Pseudomonas aeruginosa</i> ATCC 27853	Good Growth	Gas negative
<i>Shigella flexneri</i> ATCC 12022	Good Growth	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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