

PRODUCT INFORMATION

MacConkey Broth

Cat. No. M13-111

DESCRIPTION

MacConkey Broth is recommended for the cultivation of gram negative lactose fermenting enteric bacteria in samples of water, milk and foods.

FORMULA (g/L)

Pancreatic Digest of Gelatin	20.0 g	Oxygall	5.0 g
Lactose	10.0 g	Bromocresol Purple	0.01 g

Final pH: 7.3 ± 0.2 at 25 °C

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

PREPARATION

Mix 35 grams of the medium in one liter of purified water until evenly dispersed. For 10 mL samples testing, prepare double strength. Dispense in test tubes containing Durham tubes and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light greenish beige.
2. Visually the prepared medium is clear to slightly hazy and purple.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Enterobacter aerogenes</i> ATCC 13048	Good Growth – Acid (yellow) – Gas (+)
<i>Enterococcus faecalis</i> ATCC 29212	Inhibited
<i>Escherichia coli</i> ATCC 25922	Good Growth – Acid (yellow) – Gas (+)
<i>Salmonella typhimurium</i> ATCC 14028	Good Growth – Purple – Gas (-)
<i>Shigella flexneri</i> ATCC 12022	Good Growth – Purple – Gas (-)
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited



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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