

PRODUCT INFORMATION



MacConkey Broth

Cat. No. M13-111

Date of Issue:
10/01/17

DESCRIPTION

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

PREPARATION

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

Formula* per Liter:

| | |
|-----------------------------------|-------|
| Pancreatic Digest of Gelatin..... | 20.0g |
| Lactose | 10.0g |
| Oxgall..... | 5.0g |
| Bromcresol Purple | 0.01g |

Final pH: 7.3 ± 0.2 at 25°C

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

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, 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:

Enterobacter aerogenes ATCC® 13048
Enterococcus faecalis ATCC® 29212
Escherichia coli ATCC® 25922
Salmonella typhimurium ATCC® 14028
Shigella flexneri ATCC® 12022
Staphylococcus aureus ATCC® 25923

Result:

Growth, Acid (yellow), Gas (+)
Growth Inhibition
rowth, Acid (yellow), Gas (+)
Growth, Purple, Gas (-)
Growth, Purple, Gas (-)
Growth, Inhibition

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.