



## Actero™ MacConkey Broth Product Information

Catalogue No.	Description
FCM-175	Actero™ MacConkey Broth (500 G)
FCM-174	Actero™ MacConkey Broth (2 KG)
FCM-173	Actero™ MacConkey Broth (10 KG)

### INTENDED USE

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

#### Formula\* per Liter:

Pancreatic Digest of Gelatin.....20.0g  
Lactose .....10.0g  
Oxgall .....5.0g  
Bromocresol 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.*

### 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.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light greenish beige.
2. Visually the prepared medium to 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	Growth, Acid (yellow), Gas (+)
<i>Enterococcus faecalis</i> ATCC® 29212	Growth Inhibition
<i>Escherichia coli</i> ATCC® 25922	Growth, Acid (yellow), Gas (+)
<i>Salmonella typhimurium</i> ATCC® 14028	Growth, Purple, Gas (-)
<i>Shigella flexneri</i> ATCC® 12022	Growth, Purple, Gas (-)
<i>Staphylococcus aureus</i> ATCC® 25923	Growth Inhibition

### STORAGE INSTRUCTIONS:

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 light greenish beige.

