

MM0094

MacConkey Broth

Use and description:

MacConkey Broth is used for the detection of coliform bacteria in milk and water .

Composition per liter:

Gelatin Peptone.....20.00 g
Lactose 10.00 g
Bile Salts 5.00 g
Bromcresol purple0.01 g

Final pH of the ready to use medium: 7.3 ± 0.2

Medium preparation:

Add 35 grams of dehydrated culture medium to 1 liter distilled water until evenly dispersed. Heat while stirring, if necessary, to obtain solution. Distribute into test tubes and autoclave for 15 min at 121°C.

Quality specification:

Dehydrated medium: homogeneous, light beige.
Ready to use medium: dark purple

Microbiological response 30-35C incubation

Organism	Growth	Acid/Gas
<i>Enterobacter aerogenes</i> ATCC 13048	Growth	+/+
<i>Escherichia coli</i> ATCC 25922	Growth	+/+
<i>Salmonella typhimurium</i> ATCC 14028	Growth	-/-

Storage:

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.