

PRODUCT INFORMATION

MacConkey Sorbitol Agar

Cat. No. M13-110



ALPHA[™]
BIOSCIENCES

Date of Issue:
10/01/17

DESCRIPTION

MacConkey Sorbitol Agar or MacConkey Agar w/ Sorbitol is used for the isolation and detection of pathogenic *Escherichia coli*.

PREPARATION

Mix 50 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 homogeneous, free flowing and light pinkish-beige
2. Visually the prepared medium is trace to slightly hazy and pinkish purple.
3. Expected cultural response after 18-24 hours at 35°C.

Organism:

Escherichia coli ATCC® 25922
Escherichia coli 0157:H7 ATCC® 35510
Enterococcus faecalis ATCC® 29212
Klebsiella pneumonia ATCC® 13883
Proteus mirabilis ATCC® 12453
Pseudomonas aeruginosa ATCC® 27853
Salmonella typhimurium ATCC® 14028

Result:

Pink colonies, Sorbitol positive
Colorless colonies, Sorbitol negative
Inhibition
Pink mucoid colonies, Sorbitol positive
Colorless colonies, swarming inhibited, Sorbitol negative
Colorless colonies, Sorbitol negative
Pink colonies, Sorbitol positive

Formula* per Liter:

Pancreatic Digest of Gelatin.....	17g
Enzymatic Digest of Casein	1.5g
Peptic Digest of Animal Tissue	1.5g
Sorbitol	10g
Bile Salts Mixture	1.5g
Sodium Chloride	5.0g
Neutral Red.....	0.03g
Crystal Violet.....	0.001g
Agar	13.5g

Final pH: 7.1 ± 0.2 at 25°C

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

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.