

## PRODUCT INFORMATION

MacConkey Sorbitol Agar

Cat. No. M13-110

### DESCRIPTION

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

### FORMULA (g/L)

Pancreatic Digest of Gelatin	17.0 g	Enzymatic Digest of Casein	1.5 g
Peptic Digest of Animal Tissue	1.5 g	Sorbitol	10.0 g
Bile Salts Mixture	1.5 g	Sodium Chloride	5.0 g
Neutral Red	0.03 g	Crystal Violet	0.001g
Agar	13.5 g		

Final pH: 7.1 ± 0.2 at 25 °C

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

### 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	RESULT
<i>Escherichia coli</i> ATCC 25922	Pink colonies, Sorbitol positive
<i>Escherichia coli</i> 0157:H7 ATCC 35510	Colorless colonies, Sorbitol negative
<i>Enterococcus faecalis</i> ATCC 29212	Inhibition
<i>Klebsiella pneumonia</i> ATCC 13883	Pink mucoid colonies, Sorbitol positive

<i>Proteus mirabilis</i> ATCC 12453	Colorless colonies, swarming inhibited, Sorbitol negative
<i>Pseudomonas aeruginosa</i> ATCC 27853	Colorless colonies, Sorbitol negative
<i>Salmonella typhimurium</i> ATCC 14028	Pink colonies, Sorbitol positive

## 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.