



Actero™ MacConkey Sorbitol Agar Product Information

Catalogue No.	Description
FCM- 178	Actero™ MacConkey Sorbitol Agar (500 G)
FCM- 177	Actero™ MacConkey Sorbitol Agar (2 KG)
FCM-176	Actero™ MacConkey Sorbitol Agar (10 KG)

QUALITY CONTROL SPECIFICATIONS

INTENDED USE

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

Formula* per Liter:

Pancreatic Digest of Gelatin17g
Casein Digest Peptone1.5g
Peptic Digest of Animal Tissue1.5g
Sorbitol10g
Bile Salts Mixture1.5g
Sodium Chloride.....5.0g
Neutral Red.....0.03g
Crystal Violet.....0.001g
Agar13.5g

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 boiling to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

1. The powder is homogeneous, free flowing, and light pinkish-beige.
2. Visually the prepared medium to 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 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 pinkish beige.

