PRODUCT INFORMATION

Mannitol Salt Agar

Cat. No. M13-114

YOUR MEDIA IS OUR CULTURE

ALPHA BIOSCIENCES

Date of Issue:
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DESCRIPTION

Mannitol Salt Agar is a medium used for isolating and differentiating both pathogenic and non-pathogenic *Staphylococci*. On this medium, *Staphylococcus aureus* strains produce large yellow colonies surrounded by yellow zones while non-pathogenic *Staphylococci* produce smaller, red colonies.

Formula* per Liter:

Enzymatic Digest of Casein	5.0g
Peptic Digest of Animal Tissue	5.0g
D-Mannitol	10.0g
Beef Extract	1.0g
Phenol Red	0.025g
Sodium Chloride	75.0g
Agar	15.0g

Final pH: 7.4 ± 0.2 at 25°C

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

PREPARATION

Mix 111 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light pink to light beige.
2. Visually the prepared medium is clear to trace hazy and peach to pinkish red in color.
3. Expected cultural response after 18-72 hours at 32.5 ± 2.5°C.

Organism:	**Result:**
Escherichia coli ATCC® 8739	Inhibited
Staphylococcus aureus ATCC® 25923	Good Growth
Staphylococcus aureus ATCC® 6538	Good Growth
Staphylococcus epidermis ATCC® 12228	Good Growth

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.

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