



MANNITOL SALT AGAR (MSA)

Material 5007

PHYSICAL CHARACTERISTICS:

Appearance: Prepared medium is clear to trace hazy and peach to pinkish-red

pH: 7.2 - 7.6 @25°C

GROWTH RECOVERY:

Test Organisms	Expected Results
<i>Escherichia coli</i> ATCC® 8739	Complete inhibition
<i>Proteus mirabilis</i> ATCC® 12453	Partial to complete inhibition
<i>Staphylococcus aureus</i> ATCC® 6583	Good growth; Yellow colonies and reaction zone
<i>Staphylococcus aureus</i> ATCC® 25923	Growth; Yellow colonies and reaction zone
<i>Staphylococcus epidermidis</i> ATCC® 12228	Good growth; Red colonies and reaction zone

STORAGE AND HANDLING INSTRUCTIONS:

Store sealed sleeves inverted at 2-8°C upon receipt. Do not heat or freeze and minimize exposure to light. Plates should be warmed to room temperature prior to use - not to exceed 30°C. Product expiry is 183 days (6 months) from the date of manufacture. Reference our *Prepared Media Storage and Handling* document for additional information.

PRODUCT INFORMATION

Mannitol salt agar is utilized for the selective isolation and enumeration of *Staphylococci*. Recommended in published standards for cosmetics, clinical samples, and pharmaceuticals. (USP <62> isolation of *S. aureus*)

FORMULA* (per Liter):

Casein Digest Peptone	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

*Adjusted and/or supplemented as required to meet performance criteria

S² Media

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