

MANNITOL SALT BROTH

A selective liquid medium for the isolation of staphylococci

TYPICAL FORMULA (g/l)

Beet Extract	1.000
Peptocomplex	10.000
Sodium Chloride	75.000
Mannitol	10.000
Phenol Red	0.025

DIRECTIONS

Suspend 96g in 1000ml of cold distilled water, heat to dissolve, distribute and sterilise by autoclaving at 121°C for 15 minutes.

Final pH 7.4 ± 0.2

DESCRIPTION

Mannitol Salt Broth is a selective enrichment medium used for the isolation of presumptive pathogenic staphylococci. The medium contains mannitol as the only fermentable carbohydrate and phenol red as a pH indicator. *S. aureus* show a good growth after 18-48 hours incubation at 37°C with a colour change of the medium from red to yellow. *S. epidermidis* grow without colour change of the indicator.

User quality assurance (37°C - 36hrs)

Productivity Control

S.aureus ATCC 25923: yellow growth

Specificity Control

S.epidermidis ATCC 12228: pink-violet growth

Selectivity control

P.mirabilis ATCC 12453: partially inhibited

Storage

Dehydrated medium: 10-30°C

User prepared tubes: 1 month at 2-8°C

PACKAGING

4016662 Mannitol Salt Broth 500 g (5.2 l)