Mannitol Salt Agar acc. to harm. EP/USP/JP

TN1166 500 g

Intended use
Test for Staphylococcus aureus. Culture medium for testing non-sterile products. The medium meets the requirements of harmonised methods acc. to EP/USP/JP. No IVD - The laboratory diagnostic testing of human samples has not been evaluated.

Form
Powder

Colour
Orange red

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
4 years

Directions
Suspend 111 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

Typical Composition	**g/l**
Pancreatic digest of casein	5.0
Peptic digest of animal tissue	5.0
Meat extract	1.0
D(-)-Mannitol	10.0
Sodium chloride	75.0
Phenol red	0.025
Agar	15.0

Final pH at 25 °C
7.4 ± 0.2

Microbiological quality control

Test strain	**CFU / plate**	**Recovery rate in % test vs. inoculum *)**	**Colony morphology**	**Incubation**
Staphylococcus aureus ATCC 6538 WDCM 00032	10-100	≥ 50%	yellow-white colonies with yellow corona	aerobically, max. 18 h, 30-35 °C
Staphylococcus aureus ATCC 6538P WDCM 00033	10-100	≥ 50%	yellow-white colonies with yellow corona	aerobically, max. 18 h, 30-35 °C
Staphylococcus aureus ATCC 25923 WDCM 00034	10-100	≥ 50%	yellow-white colonies with yellow corona	aerobically, max. 18 h, 30-35 °C
Staphylococcus aureus ATCC 29213 WDCM 00131	10-100	≥ 50%	yellow-white colonies with yellow corona	aerobically, max. 18 h, 30-35 °C
Staphylococcus epidermidis ATCC 14990 WDCM 00132	10-100	≥ 50%	pink-coloured colonies, culture medium unchanged	aerobically, max. 18 h, 30-35 °C
Escherichia coli ATCC 8739 WDCM 00012	100-1000	≤ 0,1 %	n.a.	aerobically, mind. 72 h, 30-35 °C
Escherichia coli ATCC 25922 WDCM 00013	100-1000	≤ 0,1 %	n.a.	aerobically, mind. 72 h, 30-35 °C

*) Reference medium used: TSA
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

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