

MANNITOL SALT AGAR, PH EUR - USP

A selective and differential medium for the isolation and presumptive identification of pathogenic staphylococci according to PH EUR (Mannitol Salt Agar – Harmonised).

Dehydrated media	
Code number:	500 g: MSA20500, 5 kg: MSA25000
Colour:	Pinkish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

Direction: Suspend **110 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: MSA30100, 500 ml: MSA30500
Plated media:	55 mm: MSA50055, 90 mm: MSA50090
Colour:	Orange-red
pH (25 °C):	7,3 – 7,5

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Casein peptone	5,000
Meat peptone	5,000
Beef extract	1,000
D-Mannitol	10,000
Sodium chloride	75,000
Phenol red	0,025
Agar	14,000

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Staphylococcus aureus</i>	ATCC 29213	Good, yellow colonies with yellow halo	
<i>Staphylococcus epidermidis</i>	ATCC 12228	Good, red colonies without halo	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	

References: Chapman (1945) J. Bact. 50: 201.
European Pharmacopoeia
ISO 22718: 2006

In vitro diagnostic – for professional use only!