

PharmaBio® MANNITOL SALT AGAR

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: PMSA20500, 5 kg: PMSA25000
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: PMSA30100, 500 ml: PMSA30500
Plated media:	55 mm: PMSA50055, 90 mm: PMSA50090
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: See the next page

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

In vitro diagnostic – for professional use only!

Certificate of analysis

PharmaBio® MANNITOL SALT AGAR					
Code number:		PMSA			
Lot:					
Manufacture date:					
Expiry date:					
Description					
Type of culture medium:					
Packaging:					
Formula g/l:					
Casein peptone.....	5 g	Sodium chloride.....	75 g		
Meat peptone.....	5 g	Phenol red.....	0,025 g		
Beef extract.....	1 g	Agar.....	14 g		
D-Mannitol.....	10 g	Distilled water.....	ad 1000 ml		
Sterilization: 121 °C – 15 minutes					
Supplement: -					
External control					
Dehydrated culture medium		Requirement		Result	
Packaging:		Intact			
Appearance:		Fine powder			
Colour:		Yellowish			
Ready to use culture medium		Requirement		Result	
Colour:		Orange-red			
Purity:		Clear			
Precipitation:		Free from any precipitation			
Gel strength:		Suitable for good inoculation			
CHEMICAL CONTROL					
pH at 25 °C:		Requirement: 7,4 ± 0,2			
MICROBIOLOGICAL CONTROL					
Cultivation ability test:					
Reference culture medium Lot:		Incubation temperature: 30 - 35 °C Incubation time: 24 - 48 h			
Test strains		Requirement	Result		
		Productivity (%)	Reference (cfu)	Lot (cfu)	Productivity (%)
<i>Staphylococcus aureus</i> ATCC 29213		> 70 (24 h)			
<i>Escherichia coli</i> ATCC 25922		< 5 (48 h)			
Differentiation ability test:					
Test strains		Requirement		Result	
<i>Staphylococcus aureus</i> ATCC 29213		Yellow colonies			
Contamination control:					
Incubation temperature: 30 - 35 °C + 20 - 25 °C		Incubation time: 2 + 3 day			
Result:		No growth			

This product has been tested by Quality Control Laboratory and conforms to the specifications above.

This certificate was issued electronically and is valid without signature.