

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:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Casein peptone.....5 g</td> <td style="width: 50%;">Sodium chloride.....75 g</td> </tr> <tr> <td>Meat peptone5 g</td> <td>Phenol red.....0,025 g</td> </tr> <tr> <td>Beef extract.....1 g</td> <td>Agar14 g</td> </tr> <tr> <td>D-Mannitol.....10 g</td> <td>Distilled waterad 1000 ml</td> </tr> </table>				Casein peptone.....5 g	Sodium chloride.....75 g	Meat peptone5 g	Phenol red.....0,025 g	Beef extract.....1 g	Agar14 g	D-Mannitol.....10 g	Distilled waterad 1000 ml
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Meat peptone5 g	Phenol red.....0,025 g											
Beef extract.....1 g	Agar14 g											
D-Mannitol.....10 g	Distilled waterad 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.