thermoscientific

Product Specification Sheet

Mannitol Salt Agar (Chapman)

Intended Usage: A selective medium for the isolation of presumptive pathogenic staphylococci. Most other bacteria are inhibited, except a few halophilic species.

For professional use only.

	PO5027A
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Thermo Scientific™ Mannitol Salt Agar (Chapman)

Form of Product	Poured plate
Storage	2 – 12°C, dark
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	7.5 ± 0.2
Appearance	Antique pink, transparent
Shelf life	9 weeks
Intended Usage	A selective medium for the isolation of presumptive pathogenic staphylococci. Most other bacteria are inhibited, except a few halophilic species. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0085.

Typical formulation*	g/l
'Lab-Lemco' powder	1.0
Peptone	10.0
Mannitol	10.0
Sodium chloride	75.0
Phenol red	0.025
Agar	15.0

*Adjusted as required to meet performance standards

Quality Control

1. Control for general characteristics, labelling and printing.

2. Contamination check
   ≥ 72 h @ 20 – 25 °C, aerobic
   ≥ 72 h @ 30 – 35 °C, aerobic

3. Microbiological control

Positive Controls	Growth
Inoculum 50 – 120 colony forming units (cfu), quantitative Incubation conditions: 36 – 48 h @ 36 ± 1°C, aerobic	
Staphylococcus aureus ATCC® 6538™	1 – 2 mm, yellow shiny colonies.
Staphylococcus aureus ATCC® 25923™	1 – 2 mm, yellow shiny colonies.
Staphylococcus epidermidis ATCC® 12228™	1 mm, white shiny colonies.
Colony counts shall be ≥ 50% of the control medium TSA.	

Negative Control	Growth
Inoculum ≥10^4 cfu, qualitative, control medium COL+SB Incubation conditions: 36 – 48 h @ 36 ± 1°C, aerobic	
Escherichia coli ATCC® 25922™	No growth

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