

# 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
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	7.5 ± 0.2
Appearance	Antique pink, transparent
Shelf life	26 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
<b>Inoculum 50 – 120 colony forming units (cfu), quantitative</b>	
<b>Incubation conditions: 24 – 48 h @ 32 ± 1°C, aerobic</b>	
<i>Staphylococcus aureus</i> ATCC® 6538™	1 – 2 mm, yellow shiny colonies.
<i>Staphylococcus epidermidis</i> ATCC® 12228™	1 mm, white shiny colonies.
Colony counts shall be ≥ 50% of the control medium TSA.	

Negative Control	Growth
<b>Inoculum 10<sup>4</sup> – 10<sup>5</sup> cfu, qualitative, control medium COL+SB</b>	
<b>Incubation conditions: 24 – 48 h @ 32 ± 1°C, aerobic</b>	
<i>Escherichia coli</i> ATCC® 8739™	No to inhibited growth, small colonies.

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