	Document Owner Department: QC	MBD-BT-SPEC-0080
		Page 1 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
MANNITOL SALT AGAR CM0085/CB0085		

MANNITOL SALT AGAR
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CM0085
CB0085

Typical Formula*

'Lab-Lemco' powder	grams per litre	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

Directions

Suspend 111g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw/pink, free-flowing powder
Colour on reconstitution - red
Moisture level - less than or equal to 7%
pH 7.5 ± 0.2 at 25°C
Clarity - clear
Gel strength - firm, comparable to 15.0g/litre of agar


Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 37°C for 36 hours

Medium is challenged with 10-100 colony-forming units

<i>Staphylococcus aureus</i>	ATCC® 25923	0.5-2mm yellow colonies with yellow halo
<i>Staphylococcus aureus</i>	ATCC® 6538	0.5-2mm yellow colonies with yellow halo
<i>Staphylococcus aureus</i> MRSA	NCTC10442	0.75-4mm yellow colonies with yellow halo
<i>Staphylococcus epidermidis</i>	ATCC® 12228	0.5-2mm pink colonies and pink medium

	Document Owner Department: QC	MBD-BT-SPEC-0080
		Page 3 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Document title	Addition of CB0085	Implementation of IVDR requirements for CB0085	MOC-2022-0873
Entire document	Update to current format	Change control	MOC-2022-1014
Microbiological characteristics	Increase of colony size for <i>Staphylococcus aureus</i> NCTC10442		