OXOID PRODUCT SPECIFICATION

MANNITOL SALT AGAR **PO1169A**

Typical Formula

	grams per litre
Sodium chloride	75.0
D-Mannitol	10.0
Pancreatic digest of Casein	5.0
Peptic digest of animal tissue	5.0
Beef extract	1.0
Phenol red	25.0mg
Agar	15.0

Preparation
Suspend Mannitol Salt Agar (111.0 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool and aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

Format
Ten 90mm plates wrapped in a single cellulose-based film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

Labels
Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

Physical Tests	
pH	7.4 ± 0.2
Colour	Red
Clarity	Clear
Fill weight	19.5g ± 1.0g

Packaging and presentation:
General appearance of packaging and label should be satisfactory. Label data should be correct.

Sterility Test
Macroscopic examination should show no evidence of microbial growth after incubation at 20-24°C and 30-34°C for 5 days.

Microbiological Tests Using Optimum Inoculum Dilution

Results after incubation at 30-35°C for up to 18 hours

Positive controls
Inoculum 10-100 colony forming units.

Staphylococcus aureus	ATCC® 6538	Growth at 18 hours – Yellow colonies with halo at 48 hours

Colony counts shall be equal to or greater than 50% of the control medium.

Results after incubation at 30-35°C at 72 hours

Negative controls
Inoculum 100-1,000 colony forming units.

Escherichia coli	ATCC® 8739	Partial to full inhibition

Storage conditions
Store away from the light between 2-10°C.