

## Mannitol Salt Agar (MSA) (Chapman Medium) EP/USP/ISO

N° Cat: 1062

N° Batch: 206042

Re-test Date: 6/2025

Regulations: USP / European Pharmacopoeia / ISO 22718



### Formula in g/l

Bacteriological agar	15	D-mannitol	10
Beef extract	1	Pancreatic digest of casein	5
Peptic digest of animal tissue	5	Phenol red	0,025
Sodium chloride	75		

### Quality control

Solubility	Appearance	Color of the dehydrated medium	Color of the prepared medium	Final pH (25°)	Batch pH
w/o rests	Fine powder	Beige-pink	Red	7,4±0,2	7,5

### Microbiological test

According to Pharmacopoeia; Escherichia coli ATCC 8739 and Staphylococcus aureus ATCC 6538:

Incubation conditions: ( 30-35 °C / 18-72 h).

Inoculation conditions: Productivity (<=100 CFU) / Inhibitory (>=100 CFU).

Rest of strains:

Incubation conditions: ( 35±2°C / 18-24 and 48 h).

Microorganisms	Specification	Characteristic reaction
Staphylococcus epidermidis ATCC 12228	Acceptable growth	Red colonies
Staphylococcus epidermidis ATCC 14990	Good growth	Red colonies
Escherichia coli ATCC 25922	Inhibition	
Staphylococcus aureus ATCC 25923	Good growth	Yellow colonies
Staphylococcus aureus ATCC 6538	Good growth	Yellow colonies
Escherichia coli ATCC 8739	Inhibition	

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