

Mannitol Salts Agar according to EP/USP/JP (MSA)

Shorthand symbol:	MSA
Item number:	40-1166
Format:	Petri Dish, 90mm
Colour:	Clear and strong pink
Storage conditions:	Dry, in closed bag, at 15-22°C
Shelf-life:	3 Months
pH:	7.4 ± 0.2 bei 25°C



Intended use and fields of application

Test for *Staphylococcus aureus*. Nutrient medium for microbiological analysis of sterile products. Medium complies with the requirements in the EP/USP/JP (2006).

Typical composition in g/l

in g per 1 litre of Nutrient medium

Pancreatic-digest of Casein peptone	5
Pancreatic-digest of Beef Peptone	5
Beef Extract	1
D(-)-Mannitol	10
Sodium chloride	75
Phenol Red	0.025
Agar	15

*Adjusted as required to meet performance standards

Microbiological quality control

The microbial performance test carried out in conformity with the requirements of Pharm. Eur. (Microbiological Examination of non-sterile products according Chapter 2.6.13).

Productivity

Incubation conditions: 18 hours at 30–35°C; Inoculum concentration: 10–100 CFU

Organism	Type Strain	Specification	Colony morphology
Staphylococcus aureus	ATCC 6538/WDCM 00032	Good growth	Yellow colonies

Selectivity

Incubation conditions: 18-72 hours at 30–35°C; Inoculum concentration: > 100 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 8739/WDCM 00012	Complete inhibition	-

Microbial Contamination

Incubation conditions: 5–7 days, 20–25°C and 5–7 days, 30–35°C

Specification

No microbial contamination