

Mannitol Salt Agar acc. to harm. EP/USP/JP

TN 1166 500 g



Intended use

Test for *Staphylococcus aureus*. Culture medium for testing non-sterile products. This culture medium is based on the recommendations of the harmonised method acc. to EP/USP/JP (2006).

Form

Powder

Colour

Orange red

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

4 years

Directions

Suspend 111 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

Typical composition

| Component | g/l |
|--------------------------------|-------|
| Pancreatic digest of casein | 5.0 |
| Peptic digest of animal tissue | 5.0 |
| Meat extract | 1.0 |
| D(-)-Mannitol | 10.0 |
| Sodium chloride | 75.0 |
| Phenol red | 0.025 |
| Agar | 15.0 |

Final pH at 25 °C

7.4 ± 0.2

Microbiological quality control

| Test strain | Inoculum (CFU) | Recovery rate test / inoculum | Colony morphology | Incubation |
|---|----------------|-------------------------------|--|-------------------------------------|
| <i>Staphylococcus aureus</i> ATCC 6538 | 10-100 | ≥ 50 % | yellow-whitish colonies with yellow corona | aerobically, max. 18 h, 30-35 °C |
| <i>Staphylococcus aureus</i> ATCC 25923 | 10-100 | ≥ 50 % | yellow-whitish colonies with yellow corona | aerobically, max. 18 h, 30-35 °C |
| <i>Staphylococcus epidermidis</i> ATCC 14990 | 10-100 | ≥ 50 % | pink-coloured colonies; culture medium unchanged | aerobically, max. 18 h, 30-35 °C |
| <i>Escherichia coli</i> ATCC 8739 | 100-1000 | n. a. | n. a. | aerobically, min. 72 h, 30-35 °C |

Datum der Fassung: 2014/03/20