

INSTRUCTIONS FOR USE

MANNITOL SALT AGAR PLATES

P90/MSA 3G-20

INTENDED USE

Recommended for the isolation of pathogenic Staphylococci from clinical and non-clinical samples.

TYPES OF SAMPLES

- Pharmaceutical

SPECIMEN COLLECTION AND HANDLING

Follow the appropriate sampling technique as per standard guidelines. Sampling and transport equipment must be used in accordance with the recommendations of their suppliers for the conservation of strains.

MATERIAL REQUIRED BUT NOT PROVIDED

Standard microbiological laboratory material for culture media preparation, control, streaking, incubation, and waste disposal.

PRECAUTIONS

- Read the label details and storage before opening the pack.
- Wear protective gloves / protective clothing / eye protection / face protection.
- Follow good microbiological lab practices while handling culture.

STORAGE & SHELF LIFE

- Store at 10 -30 °C.
- Use before the expiry date mentioned on the label.
- Keep away from direct light.

PHYSICAL PARAMETERS OF PREPARED PLATES

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| <input checked="" type="checkbox"/> Appearance: 90 mm petri plates with a smooth surface and absence of any particles, cracks, or bubbles. | <input checked="" type="checkbox"/> Colour: Red colour |
| | <input checked="" type="checkbox"/> Clarity: Slightly Opalescent |

INSTRUCTIONS FOR USE

- Open the sterile pack and remove the plates aseptically.

- Inoculate the samples on each plate & incubate the plates at 30 - 35°C as per the standard procedure.
- Check the plates after 24-48 hrs for any microbial growth.
- Ensure the aseptic conditions are maintained while inoculating the plate.

INOCULATION & INTERPRETATION

Inoculum: 50-100 CFU Incubation temperature & time: 30 - 35°C for 48 hrs

Test Strains	ATCC No.	Growth	Colour of the colony
<i>Staphylococcus aureus</i>	ATC 6538	Luxuriant	Yellow colonies surrounded by Yellow zone
<i>Escherichia coli</i>	ATCC 8739	Inhibited	-
<i>Staphylococcus aureus</i>	ATCC 25923	Luxuriant	Yellow colonies surrounded by Yellow zone

LIMITATIONS & COMPLEMENTARY TESTS

- Several *Staphylococcus* species other than *aureus* are mannitol positive and produce yellow colonies surrounded by yellow zones on this medium (e.g. *S. capitis*, *S. xylosus*, *S. cohnii*, *S. sciuri*, *S. simulans*, and other species). Therefore, further biochemical tests are necessary for the identification of *S. aureus* or other species.

DISPOSAL

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Materials that have come in contact with infectious / clinical samples must be decontaminated and disposed of in accordance with current laboratory techniques and regulations.