

INSTRUCTIONS FOR USE

MACCONKEY AGAR WITHOUT CV PLATES

P90/MAC (W/O CV) - 20

INTENDED USE

For cultivation and differentiation of enteric bacteria and gram-positive microorganisms from clinical samples specially *Enterococcus faecalis*.

TYPES OF SAMPLES

- Clinical

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

- For in-Vitro diagnostic use. 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 specimens and culture.

STORAGE & SHELF LIFE

- Store at 10 -15 °C.
- Use before the expiry date mentioned on the label.
- Keep away from direct light.

PHYSICAL PARAMETERS OF PREPARED PLATES

- ✓ Appearance: 90 mm petri plates with a smooth surface and absence of any particles, cracks, or bubbles.
- ✓ Colour: Orange red colour
- ✓ Clarity: Slightly Opalescent

INSTRUCTIONS FOR USE

- Open the sterile pack and remove the plates aseptically.
- Ensure the aseptic conditions are maintained while inoculating the plates.
- Inoculate the samples on each plate & incubate the plates at 35-37 °C for 24 hrs.
- Check the plates after 24 hrs for any microbial growth.

CHECK

- ✓ Plate should be at room temperature before streaking the sample on the plate.

INOCULATION & INTERPRETATION

Inoculum: 50-100 CFU Incubation temperature: 35-37 °C Incubation time: 24-48 hrs

Test Strains	ATCC No.	Recovery	Colour of the colony
<i>Escherichia coli</i>	ATCC 25922	≥ 50 %	Pink to red
<i>Proteus mirabilis</i>	ATCC 25933	≥ 50 %	Colourless
<i>Salmonella typhimurium</i>	ATCC 14028	≥ 50 %	Colourless
<i>Enterococcus faecalis</i>	ATCC 29212	30 -40 %	Pale Pink
<i>Staphylococcus aureus</i>	ATCC 25923	≥ 50 %	Colourless

LIMITATIONS & COMPLEMENTARY TESTS

- Some strains may be encountered that grow poorly or fail to grow on this medium due to the difference in nutritions.
- Biochemical and serological testing using pure cultures are recommended for complete identification.

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.