

# INSTRUCTIONS FOR USE

## **SHEEP BLOOD AGAR PLATES**

**P90/SBA(TSA) - 20**

### **INTENDED USE**

Sheep Blood Agar is an enriched media used for the isolation and cultivation of fastidious and non-fastidious microorganisms from clinical specimens based on their haemolytic properties.

### **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: Cherry Red
- ✓ Clarity: Opaque

## INSTRUCTIONS FOR USE

### CHECK

- 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 and haemolysis of the strains.

## INOCULATION & INTERPRETATION

### CHECK

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

Test Strains	ATCC No.	Inoculum (CFU)	Results (CFU)	Growth	Haemolysis
<i>Streptococcus pneumonia</i>	ATCC 6305	65	58	Good	Alpha
<i>Streptococcus pyogenes</i>	ATCC 19615	71	59	Good	Beta
<i>Staphylococcus aureus</i>	ATCC 25923	74	64	Good	Beta
<i>Candida albicans</i>	ATCC 10231	66	54	Good	Non-Haemolytic
<i>Enterococcus faecalis</i>	ATCC 29212	70	60	Good	Non-Haemolytic
<i>Escherichia coli</i>	ATCC 25922	58	50	Good	Non-Haemolytic

#### **LIMITATIONS & COMPLEMENTARY TESTS**

- Optochin Disc for *S. pneumonia* needs to be used always for specific /required samples for conformation of results.
- Bacitracin Disc for *S. Pyogenes* needs to be used always for specific / required samples for conformation of results.

#### **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.