

# INSTRUCTIONS FOR USE

## TRYPTIC SOYA AGAR PLATES

P90/TSA - 20

### INTENDED USE

Tryptic Soya Agar (Soybean Casein Digest Agar) is used for isolation and cultivation of a wide variety of microorganisms.

### TYPES OF SAMPLES

- Pharmaceutical
- Clinical
- Food

### 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 20 -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: Light Yellow         |
|  | <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 as per standard procedure.
- Ensure the aseptic conditions are maintained while inoculating the plate.
- Check the plates after incubation for any microbial growth and haemolysis of the strains.
- For environmental monitoring, take out the plates from the kits and transfer them aseptically to the environmental monitoring location.

### INOCULATION & INTERPRETATION

Inoculum: 50-100 CFU      Incubation temperature & time: 20-25°C for 72 hrs, 30 - 35°C for 48 hrs

Test Strains	ATCC No.	Inoculum	Growth	Incubation Temperature
<i>Escherichia coli</i>	ATCC 8739	50-100 CFU	Good	30°C - 35°C
<i>Staphylococcus aureus</i>	ATCC 6538	50-100 CFU	Good	30°C - 35°C
<i>Pseudomonas aeruginosa</i>	ATCC 9027	50-100 CFU	Good	30°C - 35°C
<i>Bacillus subtilis</i>	ATCC 6633	50-100 CFU	Good	30°C - 35°C
<i>Salmonella sp.</i>	NCTC 6017	50-100 CFU	Good	30°C - 35°C
<i>Candida albicans</i>	ATCC 10231	50-100 CFU	Good	20°C - 25°C
<i>Aspergillus brasiliensis</i>	ATCC 16404	50-100 CFU	Good	20°C - 25°C

### LIMITATIONS & COMPLEMENTARY TESTS

- This medium is general purpose medium and may not support the growth of fastidious organisms.

## **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.