

# InTray™ TSA & TSA Blood



A NON-SELECTIVE CULTURE SYSTEM FOR ISOLATION AND ENUMERATION:

### TSA

Catalog No. 20-2707    5 Pack Box  
Catalog No. 20-2701    20 Pack Box

### TSA w/ 5% Sheep Blood Medium

Catalog No. 20-2607    5 Pack Box  
Catalog No. 20-2601    20 Pack Box

For *In Vitro*, Analytical Use Only

### INTENDED USE:

The InTray™ TSA (Tryptic Soy Agar) test is a non-selective medium used for isolation, cultivation and enumeration of non-fastidious and fastidious microorganisms. The device is designed to interface directly with standard methods for bacterial testing of water samples using the Membrane Filter (MF) Technique<sup>1</sup>. TSA with 5% Sheep Blood is a preferred medium for isolation and enumeration of hemolytic bacteria.

### DESCRIPTION:

TSA is the medium specified as Soybean-Casein-Digest Agar Medium by the United States Pharmacopeia (*USP*) for the total aerobic count portion of microbial limit testing procedures<sup>2</sup>. The medium is also used for maintenance of stock cultures, plate counts and isolation of organisms from a variety of specimen types.

### STORAGE:

Upon receipt, store the InTray™ TSA/TSA Blood under refrigeration (2-8°C). Avoid freezing or prolonged storage at temperatures above 40°C. Do not open until ready to use. Do not use if the medium shows signs of deterioration or contamination.

### INSTRUCTIONS FOR USE:

#### MF Procedure<sup>1</sup>:

Select the volume of water to be examined in accordance with the information given in method 9222 D of: *Standard Methods for the Examination of Water and Waste Water*, 21<sup>st</sup> edition. Using sterile forceps, place a sterile membrane filter on the filtration apparatus. Filter the sample through the membrane and rinse with an appropriate amount of sterile water.

#### INOCULATION PROCEDURE:

Allow the InTray™ to warm to room temperature before inoculation. Pull back the lower right corner adjacent to the clear window of the InTray™ label until the protective seal is completely visible. Remove the seal by pulling the tab (Fig. 1). **Discard** the seal. **DO NOT REMOVE OR ALTER THE WHITE FILTER STRIP OVER THE VENT HOLE!**



Figure 1

Using sterile technique, remove the filter from the MF apparatus and gently apply it (grid side up) to the surface of the agar in the InTray™ (Fig. 2).

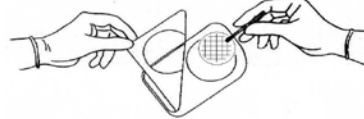


Figure 2

Reseal the InTray™ by pressing together the edges of the label against the InTray™. **Press all around the InTray™ to ensure a complete seal** (Fig. 3). Immediately label the InTray™ with patient or sample information and date. **DO NOT COVER THE VIEWING WINDOW.**

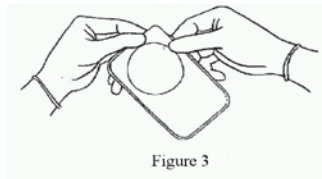


Figure 3

#### INCUBATION:

Incubate the inoculated InTray™ TSA or InTray™ TSA Blood under 5-10% CO<sub>2</sub> at 35±2°C for 18-48hrs.

### CULTURE AND RESPONSE:

Both Gram-positive (*Staphylococcus aureus*, *Streptococcus pyogenes* and pneumoniae) and Gram-negative (*Escherichia coli*) bacteria will grow on this non-selective culture plate.

**Expected results for 5-10% CO<sub>2</sub> incubation at 35±2°C for 18-48hrs:**

Organism	ATCC	Recovery Plain/SB	Hemolysis
<i>Streptococcus pyogenes</i>	19615	Good/Good	Beta
<i>Streptococcus pneumoniae</i>	6305	Good/Good	Alpha
<i>Staphylococcus aureus</i>	25923	Good/Good	Beta
<i>Escherichia coli</i>	25922	Good/Good	Beta

### LIMITATIONS:

After incubation, it is desirable to have isolated colonies plated from the original sample. These colonies should be sub-cultured for positive identification by biochemical and/or serological testing<sup>3</sup>.

SYMBOL KEY			
Symbol	Used For	Symbol	Used For
	Batch code		Temperature limitation
	Date of manufacture		Catalog number
	Use by YYYY-MM-DD or YYYY-MM		Caution, consult accompanying documents
	Manufacturer		Authorized representative in the European Community
	In vitro diagnostic medical device		in European community

### REFERENCES:

- Eaton, Clesceri, Rice and Greenberg (ed.). 2005. *Standard Methods for the Examination of Water and Waste Water*, 21<sup>st</sup> edition. American Public Health Association, Washington D.C.
- USP 25/NF 20. 2001. United States Pharmacopeial Conception, Inc. Rockville, Md.
- Truant, A.L. (ed.). 2002. *Manual of Commercial Methods in Clinical Microbiology*. American Society for Microbiology, Washington D.C.

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