

InTray™ Baird-Parker



A SELECTIVE CULTURE SYSTEM FOR ISOLATION
AND ENUMERATION:

Baird-Parker Agar Egg-Tolk Tellurite Enrichment

For total coagulase-positive staphylococci count
in food, skin, soil air and water samples (using
Membrane Filter Procedures)

For *In Vitro*, Analytical Use Only

INTENDED USE:

The InTray™ Baird-Parker Agar EY (egg yolk) Tellurite Enrichment Test utilizes a selective medium for the use of cultivation and enumeration of coagulase-positive staphylococci in food, skin, soil, and other materials.

DESCRIPTION:

This media is recommended for the isolation and differentiating coagulase-positive staph from other microorganisms. The device is designed to interface directly with standard methods for bacterial testing of water samples using the Membrane Filter (MF) Technique¹.

STORAGE:

Upon receipt, store the InTray™ device 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.

MF TECHNIQUE:

Select the sample volume to be examined in accordance with the information given in the membrane filtration technique. Using sterile forceps, place a sterile membrane filter on the filtration apparatus. Filter the sample through the membrane (100 mL sample is passed through a 47 mm 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!**

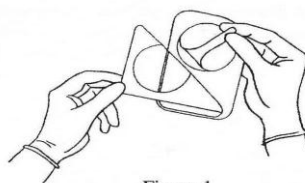


Figure 1

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).

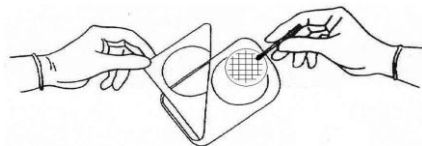


Figure 2

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™ device at an aerobic atmosphere of 35 ± 2°C for 24hrs. The specificity of the test is dependent on the incubation temperature. Consult references for detailed instructions.³

CULTURE AND RESPONSE:

Typical coagulase-positive *S. aureus* will be black, shiny, convex, and surrounded by clear zones (egg yolk reaction). Coagulase-negative *S. aureus* are inhibited but some may produce white to brown colonies with no clearing or change of the egg yolk.

PLATE COUNT:

To determine colony counts on membrane filters, use a low-power binocular dissecting scope with a cool-white light source. Count all colonies on the membrane where there are 2 or less colonies per square. For 3-10 colonies per square, count 10 squares and obtain an average count per square. For 10-20 colonies per square, count 5 squares and obtain an average count per square. Multiply the average count per square by 100 and divide by the sample volume to give colonies per mL.

LIMITATIONS:

1. Bacteria other than Coagulase-positive *S. aureus* may grow; microscopic examination and biochemical tests will differentiate coagulase-positive *S. aureus* from other organisms.

COLONY MORPHOLOGY:











Organism	ATCC	Colony Recovery	Colony Appearance
<i>Bacillus subtilis</i>	6633	None/Inhibited	Brown
<i>Proteus mirabilis</i>	25933	Good	Brown
<i>Staph. aureus</i>	25923	Good	Black
<i>Staph. epidermidis</i>	14990	Poor to Good	Black

QUALITY CONTROL:

This product has been tested for benchmark performance using approved strains and CLSI M22 methodology.

REFERENCES:

1. Eaton, Rice and Baird (ed.). 2005. Standard Methods for the Examination of Water and Wastewater.
2. Pugsly, Evison and Cabelli. 1981. Appl. Environ. Microbiol. 41:1152.
3. Horwitz (ed.). 2007. Official Methods of Analysis of AOAC International, 18th ed., online. AOAC International, Gaithersburg, Md.

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



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