

VALUE

High Throughput – Once the device is inoculated no other preparation is required saving time

Cost Savings – Reduces laboratory materials and medical waste

BENEFITS

Convenient - Combines collection, culture, and observation into one device

Easy to use - Minimal lab procedures and equipment needed

Easy to store – 12 month shelf life under refrigeration (2-8°C)

Easy observation – No fogging or condensation on the InTray™ viewing window

Safe - Fully enclosed InTray™ system prevents contamination and reduces exposure to collected samples

PRODUCT SPECIFICS

Storage – Refrigeration (2-8 °C)

Shelf Life - 12 months

Incubation – 18-48 hours (1 to 14 days for *Trichophyton*)

Quantity Sold

InTray™ SDA

20 Pack (15-1001)

5 Pack (15-1000)

InTray™ SDA + PVG

20 Pack (18-1001)

5 Pack (18-1000)

InTray™ SDA (Sabouraud Dextrose Agar) and InTray™ SDA+PVG Antibiotics (Polymyxin B, Vancomycin & Gentamicin)

The *United States Pharmacopoeia* (USP) recommends SAB agar for use in performing total combined mold and yeast counts (Microbial Limits Tests)

PRODUCT BIO

BioMed Diagnostics' InTray™ SDA and InTray™ SDA+ PVG are general purpose microbiology sample collection, transport, culture and observation devices that allow for simultaneous growth and observation of pathogenic and non-pathogenic fungi including yeasts and dermatophytes. **By combining several procedures into a single device, BioMed's patented InTray™ system saves time and money, while reducing exposure to collected samples.**



The InTray™ system consists of a re-closable outer seal containing an optically clear, anti-fog window. The seal creates an airtight 2" diameter chamber providing a large enough area to streak for isolation. The innovative design of the InTray™ high-performance viewing window makes it possible to place the device directly under a microscope. This removes the need to prepare slides and prevents unnecessary exposure of the sample after inoculation. **By combining both growth and observation into one fully enclosed device, BioMed's InTray™ system negates the need for multiple procedures increasing throughput and decreasing the cost of laboratory materials and medical waste.**

Additionally, the InTray™ design lends itself to high performance not only in laboratory settings, but also off-site locations or austere environments. The InTray™ SDA and InTray™ SDA+ PVG are fully enclosed and don't require any reagents or complicated procedures to inoculate or obtain results.

The InTray™ system is also equipped with a small air filter creating a controlled air exchange. The airtight seal and controlled air exchange system maintain the integrity of the growth environment inside the device allowing only clean, filtered air to reach the media.

For Isolation of fungi from potentially contaminated specimens, best practice suggests the selective InTray™ SDA+ PVG test should be run in parallel with the non-selective InTray™ SDA.

QUALITY CONTROL

At the time of manufacture, quality control tests are performed on each lot of InTray™ SDA and InTray™ SDA+ PVG using ATCC™ strains to ensure viability and sterility. These tests are repeated throughout the product shelf life by BioMed Diagnostics confirming the ability of these devices to support growth.

BACKGROUND

The InTray™ SDA is a slightly selective, general-purpose medium devised by Sabouraud and is used in qualitative procedures for the cultivation of pathogenic and non-pathogenic fungi. Sabouraud dextrose media are peptone media supplemented with dextrose to support growth of fungi. Peptones are sources of nitrogenous growth factors, the carbohydrate that provides the energy source for the growth of microorganisms. SDA is recommended in the *United States Pharmacopoeia* (USP) for the use in performing total combined mold and yeasts counts (Microbial Limits Tests).

The InTray SDA + PVG, with the addition of polymyxin B, vancomycin, and gentamicin is a modification designed to increase fungal specificity by bacterial inhibition.

For Isolation of fungi from potentially contaminated specimens, best practice suggests the selective InTray™ SDA+ PVG test should be run in parallel with the non-selective InTray™ SDA.

CORPORATE OVERVIEW

BioMed Diagnostics, Inc., a boutique biotech firm and an industry leader since 1989, develops and manufactures *in vitro* diagnostic devices. BioMed's point-of-care ready tests provide accurate diagnostic tools for scientists worldwide to aid in the identification of bacteria, parasites and fungi. The company formed as the result of a mercy mission conducted by a group of physicians to Central America; there they discovered the need for robust diagnostic tools for use in austere environments. Their experience unleashed the inspiration for BioMed's innovative products that support medical professionals, veterinarians, research teams, and environmental and industry scientists globally.

BIOMED DIAGNOSTICS

PO Box 2366
1388 Antelope Road
White City, Oregon 97503

P 800.964.6466
F 541.830.3001

www.biomeddiagnostics.com

InTray™ SDA (Sabouraud Dextrose Agar) and InTray™ SDA+PVG Antibiotics (Polymyxin B, Vancomycin & Gentamicin)

DIRECTIONS

Prior to inoculation the InTray™ SDA or InTray™ SDA+ PVG should be brought to room temperature.

To inoculate the InTray™ SDA or InTray™ SDA+PVG, pull back the lower right corner of the label adjacent to the clear window until the protective seal is completely visible. Remove the seal by pulling the tab, discard the seal but do not remove the white filter strip over the vent hole. The 2" diameter well allows for a large enough surface area to streak for isolation. Obtain a small amount of specimen and place on top of the agar.

To culture the sample, reseal the InTray™ by returning the label to its original position so the optically clear anti-fog window covers the medium. Press the edges of the label against the plastic tray to ensure an airtight seal. Best practice suggests incubation at $30 \pm 2^{\circ}\text{C}$ ($20\text{-}25^{\circ}\text{C}$ for *A. niger*, $30\text{-}35^{\circ}\text{C}$ for *Candida* species) and results can be obtained within as little as 18-48 hours (7-14 days for *Trichophyton*). Consult appropriate references for ultimate sample collection, incubation and confirmation procedure.

DETECTION

Cultures should be examined once a week at minimum. For examination using a microscope, simply place the InTray™ SDA and SDA+ PVG on the microscope stage and observe through the clear viewing window.

REFERENCES

1. Sabouraud. 1892. Ann Dermatol. Syphil. 3:1061.
2. Ajello et al. 1963. *CDC laboratory manual for medical mycology*. PHS Publication No. 994, U.S. Government Printing Office, Washington, D.C.
3. Reisner et al. 1999, In Murray et al (ed.). *Manual of Clinical Microbiology, 7th ed.* American Society for Microbiology, Washington, D.C.
4. Kwon-Chung and Bennett. 1992. *Medical Mycology*. Lea & Febiger, Philadelphia, Pa.
5. United States Pharmacopeial Convention, Inc. 2001. *The United States Pharmacopeia 25/The National Formulary 20-2002*. United States Pharmacopeial Convention, Inc., Rockville, Md.