

# Reading the Results

## Evaluation

Culture Response:

<i>A. brasiliensis</i> .....	ATCC® 16404.....	Good
<i>C. albicans</i> .....	ATCC 60193.....	Good
<i>T. mentagrophytes</i> .....	ATCC 9533.....	Good
<i>E. coli</i> .....	ATCC 25922.....	Inhibited

## Limitations

**For Research Use Only.** Not for use in diagnostic procedures. InTray SAB+PVG is an agar medium that is susceptible to condensation collection within the inner seal, especially when stored at low temperatures and/or having been exposed to extreme temperature fluctuations. If moisture is visible on the surface of the InTrays, dry them (with the seal removed and InTray label in a position allowing for air flow) under a BSL-2 cabinet just prior to inoculation. There should be no visible droplets of moisture on the surface of the agar when they are inoculated. The surface of the dried medium should be smooth and should not show signs (webbed ribbing pattern on the agar surface) of desiccation.

## 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.

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Symbol glossary: [biomeddiagnostics.com/l/symbol-glossary](http://biomeddiagnostics.com/l/symbol-glossary)

Document Revision History  
Rev. NEW, September 2019

New document.



# InTray® SAB+PVG

REF	11-273-001	$\Sigma$	5
REF	11-273-002	$\Sigma$	20

**For Research Use Only.**  
Not for use in diagnostic procedures.



Manufactured by:  
**Biomed Diagnostics, Inc.**  
1388 Antelope Road  
White City, OR 97503 USA  
[biomeddiagnostics.com](http://biomeddiagnostics.com)



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# Introduction

## Intended Use

Sabouraud Dextrose Agar (SAB) is a general-purpose medium devised by Sabouraud<sup>1</sup> for the cultivation of pathogenic and non-pathogenic fungi, including dermatophytes. For SAB+PVG, the addition of the antimicrobics: Polymyxin B, Vancomycin and Gentamicin is a modification designed to increase fungal specificity by bacterial inhibition.

## Description and Principle

The low pH (approximately 5.6) is favorable for growth of fungi, especially yeasts and dermatophytes. SAB is slightly inhibitory to contaminating bacteria in clinical specimens.<sup>2-4</sup> This inhibition is further enhanced in SAB+PVG. SAB is recommended in the *United States Pharmacopoeia (USP)* for use in performing total combined mold and yeast counts (Microbial Limits Tests).<sup>5</sup>

## Reagents and Appearance

SAB+PVG appears transparent with a light amber hue and contains peptic/casein digest, dextrose, polymyxin B sulfate (0.30 g/L), vancomycin (0.30g/L) and gentamycin sulfate (0.30 g/L) with a final pH of  $5.6 \pm 0.2$  at 25°C.

## Precautions, Safety and Disposal

Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves.

Once the tray has been inoculated and resealed, re-open only in a biological safety cabinet. Because of the potential for containing infectious materials, the tray must be destroyed by autoclaving at 121°C for 20 minutes.

## Storage

Upon receipt, store InTray SAB+PVG at 2-8°C. Avoid freezing or prolonged storage at temperatures above 40°C. Do not use InTray SAB+PVG if the medium shows signs of deterioration or contamination.

## Shelf Life

Expiration is 12 months past the date of manufacture.

# Procedure

## Key notes regarding specimen collection:

Specimen collection poses a major uncertainty in using this device. Use aseptic technique during specimen collection and handling.

### 1 Prepare InTray



Pull back the lower right corner adjacent to the clear window of the InTray label until the protective seal is completely visible.

### 3 Inoculate Sample



Inoculate the specimen on the surface of the medium. A sterile inoculating loop that has been moistened by touching the surface of the medium may be used for inoculation of solids or scrapings.

## Incubation

Incubate For isolation of fungi from potentially contaminated specimens, a selective medium (e.g., SAB+PVG) should be inoculated in parallel with a non-selective medium (e.g., SAB).

Incubate the InTray at 25-30°C for 18-48 hours, or up to 7-14 days for *Trichophyton*. Examine all cultures at least weekly for fungal growth. Samples should be held for 4-6 weeks before being reported as negative.

## Materials Provided

- InTray SAB+PVG

## Materials Required but Not Provided

- Sterile inoculating tool (e.g., cotton swab/forceps/scalpel blade)
- Laboratory incubator capable of incubation at 25-30°C

### 2 Open Seals



Remove the paper-foil seal by pulling the tab.

Discard the seal.

**Do not remove or alter the white filter strip over the vent hole!**

### 4 Secure InTray



Reseal InTray label to the plastic tray body.

**Press all around the perimeter of the InTray to ensure a complete seal.**

Immediately label the InTray with sample information and date.

**Do not cover the viewing window. Complete re-seal prevents dehydration!**

## Quality Control

This product has been tested and meets the CLSI (formerly NCCLS) Approved Standard for commercially prepared media (M22-A3). At the time of manufacture, quality control testing is performed on each lot of the InTray SAB+PVG. The ability of the media to support growth and demonstrate expected biochemical reactions and morphology is verified by lot.

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