

InTray™ Colorex™ Yeast

For isolation and differentiation of major clinical-significant *Candida* species; commonly used in the detection of yeast infections

PRODUCT BIO

BioMed Diagnostics' InTray™ Colorex™ Yeast test serves as a microbiology sample collection, transport, and culture device. This device allows for simultaneous growth, observation, and chromogenic differentiation of selected *Candida* species as well as *Malassezia pachydermatis*, which has been added for veterinary applications.

By combining several procedures into a single device, BioMed's patented InTray™ system saves time and money, while reducing exposure to collected samples.



The patented InTray™ system consists of a re-closable outer seal containing an optically clear, anti-fog window, which creates an airtight seal over the 2" diameter chamber with 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 removing the need to prepare slides and prevents unnecessary exposure of the sample after inoculation. **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™ Colorex™ Yeast can be stored for

a year if kept under refrigeration (2-8 °C). The InTray™ system is equipped with a small air filter, in addition to its airtight seal, creating a controlled air exchange. **The airtight seal and controlled air exchange system maintains the integrity of the growth environment inside the device by allowing only clean, filtered air to reach the media.**

The InTray™ Colorex™ Yeast makes preliminary detection easy by producing distinctive color and morphology differences between the growth of selected *Candida* species within as little as 24 hours. The InTray™ Colorex™ Yeast discriminates against the growth of bacteria, mold, and other fungi. **The specially formulated media makes detection and preliminary identification easy, while inhibiting potential interference in obtaining accurate results.**

Visual Results:

- *Candida glabrata* - Mauve
- *Candida albicans* - Green
- *Candida tropicalis* - Metallic Blue
- *Candida krusei* - Pink and fuzzy
- *E. coli* - Inhibited
- *Malassezia pachydermatis* - Brick Red with dark center
- Other species - Mauve to White

QUALITY CONTROL

The InTray™ Colorex™ Yeast is tested with ATCC™ strains of the indicated species. At the time of manufacture, quality control tests are performed on each lot of InTray™ Colorex™ Yeast to ensure viability and sterility. These tests are repeated throughout the product shelf life by BioMed Diagnostics confirming the ability of the InTray™ Colorex™ Yeast to support growth of selected *Candida* species while maintaining specificity.

VALUE

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

Cost Savings – Reduces laboratory materials and medical waste

High specificity – 99% specificity and sensitivity for *C. albicans*, *C. tropicalis* and *C. krusei*

BENEFITS

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

Easy to use - Minimal lab procedures and equipment needed

Easy to store - 12 months 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 recommended (2-8 °C)

Shelf Life - 12 months

Incubation - 48 hours at 37 °C

Quantity Sold -

5 Pack (10-6107)

20 Pack (10-6101)

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.

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InTray™ Colorex™ Yeast

BACKGROUND

Candidiasis is a fungal infection caused by any of the *Candida* species (all yeasts), of which *Candida albicans* is the most common. These infections are commonly referred to as yeast infections and range from superficial, such as oral thrush and vaginitis, to systemic and potentially life-threatening diseases. Common in many human populations are the superficial infections caused by *Candida*, affecting the skin and mucosal membranes.

Of the many infections caused by *Candida*, most are treatable. Severe complications can arise even leading to death.

DIRECTIONS

Prior to inoculation, the InTray™ Colorex™ Yeast should be brought to room temperature. Samples introduced to the media can be skin swabs, oral or vaginal samples and urine or sputum.

To inoculate the InTray™ Colorex™ Yeast, 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**. Obtain a small amount of specimen and place it on top of the agar. The 2" diameter well allows for a large enough surface area to streak for isolation.

To culture the sample, reseal the InTray™ by returning the clear window 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. For best results, incubate the InTray™ Colorex™ Yeast for 48 hours at 30 to 37 °C. Visual results can occur within as little as 24 hours.

REFERENCES

1. Ryan KJ; Ray CG (editors) (2004). *Sherris Medical Microbiology* (4th ed.). McGraw Hill
2. Walsh TJ, Dixon DM (1996). "Deep Mycoses". In Baron S et al. eds. (via NCBI Bookshelf). *Baron's Medical Microbiology (4th ed.)*. Univ of Texas Medical Branch.
3. James, William D.; Berger, Timothy G.; et al. (2006). *Andrews' Diseases of the Skin: clinical Dermatology*. Saunders Elsevier.
4. Fidel PL (2002). "Immunity to *Candida*". *Oral Dis*. 8: 69–75.
5. Odds F. et al (1994). *CHROMagar Candida, a differential isolation medium for the presumptive identification of clinically important candida species*. *Journal of Clinical Microbiology*.

NOTATION

Colorex™ is a trademark of Dr. A. Rambach