

InTray™ COLOREX™ YEAST

Chromogenic medium for selected *Candida* species

REF Catalog# 10-6107 5 Test Box (2" well)

REF Catalog# 10-6101 20 Test Box (2" well)

For In Vitro Diagnostic Use Only



INTENDED USE

InTray COLOREX YEAST is a chromogenic medium used in the detection and presumptive identification of selected *Candida* species from clinical specimens. For veterinary application, *Malassezia pachydermatis* is also detected.

DESCRIPTION OF THE SYSTEM AND ITS PRINCIPLES

The medium used is designed to allow rapid and simple detection of specified yeasts by a unique color change when incubated for 24 hours. A presumptive positive results when the appropriate color colony is observed.

The *Candida* species identifiable are as follows:

Candida Species	Color Change
<i>C. albicans</i>	green to blue-green
<i>C. tropicalis</i>	dark blue with purple halo around the colony
<i>C. glabrata</i>	dark rose
<i>C. krusei</i>	light pink with rough whitish edges
<i>C. dubliniensis</i>	dark kelly green

These few species represent greater than 95% of the observed yeast infections due to *Candida*.

Some other *Candida* species will give a pinkish gray color.

Yeast	Color Change
<i>Malassezia pachydermatis</i>	brick red with dark center

This yeast is often found in ears of dogs. It grows more slowly than the *Candida* yeasts. Incubate 48-72 hours for the color to appear. Also note that the texture of the colonies is waxy as opposed to the pasty appearance of *Candida*.

SPECIMEN COLLECTION AND HANDLING:

InTray COLOREX YEAST may be used for oral, vaginal, and urine samples, or skin or hair from dermatitis infections. Obtain specimen by your accepted procedure and place sample or lightly smear swab on the surface of the medium.

INOCULATION & ISOLATION PROCEDURES

Step 1: Bring the InTray to room temperature

Step 2: Inoculation Procedure. Pull back the lower right corner of the white label adjacent to the clear window of the InTray lid until the protective seal over the agar is completely visible. Remove the seal by pulling the tab and discard the seal. (Figure 1) Do not remove the white filter strip over the vent hole.

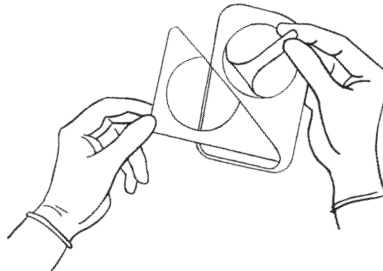


Figure 1

Using sterile technique obtain a sample with either a cotton swab or a microbiology loop. Place the sample on top of the agar. (Figure 2)

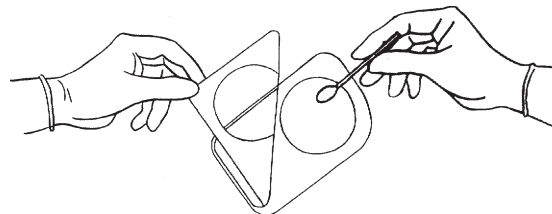


Figure 2

Step 3: Isolation Technique. With a sterile microbiology loop, streak the media in the following pattern(s). This method allows individual colonies to grow separately enabling identification from a mixed species culture.

Urine samples only - inoculate the agar using a calibrated loop (0.01 ml) by dipping the loop into the urine and (A) dragging the loop down the middle of the agar. Using a calibrated loop allows the technician to do a "colony count."

Using the sterile microbiology loop, (B) streak back and forth across the inoculated area. (Figure 3)

Colony count = (#colonies/10µ/mlx 100µl/ml)

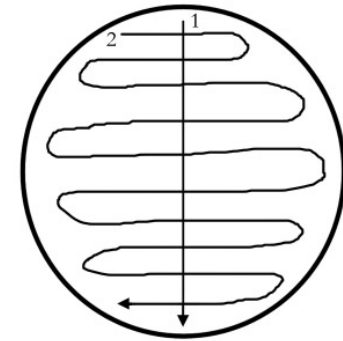


Figure 3

All other samples

1. After inoculating the agar, streak through the inoculated area with a sterile loop.
2. Turn the InTray 80-90 degrees, streak through the first area with a sterile loop.
3. Turn the InTray another 80-90 degrees, streak through the second area with a sterile loop. (Figure 4)

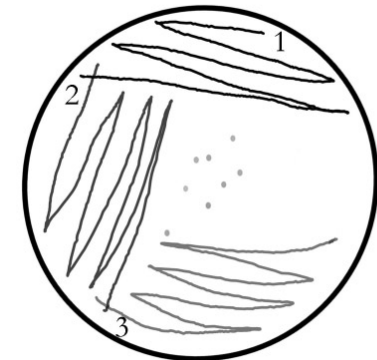


Figure 4

Step 4: Reseal the InTray by pressing together the edges of the white lable lid against the plastic tray. **Press all around the InTray to assure a complete seal** (Figure 5). **Label the InTray with the patient's name.**

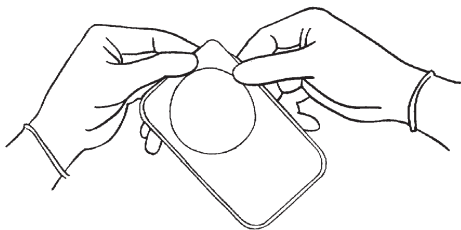


Figure 5

Incubate the InTray for up to 72 hours at 37°C (98°F) and observe the colony growth and specified color change through the clear anti-fog window. **DO NOT OPEN THE TRAY.**


LIMITATIONS OF THE PROCEDURE

This test gives presumptive positives only. Large samples may show confluent growth and interfere with observing specific colors.

QUALITY CONTROL

These products have been tested with ATCC strains of the indicated species. At the time of manufacture, quality control testing is performed on each lot of InTray medium. The ability of the medium to support growth and demonstrate expected biochemical reactions and morphology is verified. BioMed repeats these tests on retention samples through the duration of the shelf life.

STORAGE

Upon receipt, store InTrays at 2°-8°C.  Avoid freezing or prolonged storage at temperatures greater than 30°C. This product has demonstrated a shelf life of 6 months at room temperature and 1 year under refrigeration from date of manufacture. Do not use InTray if the medium shows signs of deterioration or contamination.

REAGENTS

The InTray COLOREX medium contains agar, peptone and other extracts; chromogenic additives and chloramphenicol.

PRECAUTIONS











For in vitro diagnostic use only. Once the InTray has been inoculated and resealed, open only in a biological safety cabinet. Because of the infectious materials involved, the InTray must be destroyed by autoclave or equivalent means of disposal. (BioSafety Level 2)

WARNING

This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

References:

- Odds F.C. and R. Bernaerts. 1994. CHROMagar Candida, a new differential isolation medium for presumptive identification of clinically important Candida species. J. Clin. Microbiol. 32:p1923-1929
- Beighton, D. et al. 1996 Use of CHROMagar Candida Medium for Isolation of Yeasts from Dental Samples. J. Clin. Microbiol. 33:p3025-3027.
- Pfaller, M.A. et al. 1996 Application of CHROMagar Candida for rapid Screening of Clinical Specimens for Candida albicans, Candida tropicalis, Candida krusei, and Candida (Torulopsis) glabrata.
- E.T.S. Houang et al. 1997. Use of CHROMagar Candida for genital specimens in the diagnostic laboratory J. Clin. Path. Vol 50 N°7.
- Dublin Dental Hospital and School of Dental Science TCD www.irishscientist.ie/2002/contents.asp?contentxml=02p185.xml&contentxsl=ls02pages.xsl

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

The label on the InTray CY test includes a section where the patient information can be written. The information is: patient #, sample, source, name and date. It is up to the discretion of the practitioner to complete this section or not.

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TEK 507

Document No. 100-085 Rev. A. 10/04