

InTray™ Malt Extract

For isolation, cultivation and enumeration of yeasts and molds; recommended for use with clinical specimens, foodstuffs, cosmetics as well as water samples derived from the membrane filtration procedure

VALUE

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

Cost Savings – Reduces laboratory materials and medical waste

High specificity – Acidic pH inhibits the growth of contaminating bacteria

BENEFITS

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

Easy to use - Minimal lab procedures and equipment needed

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)

Incubation – 30 ±2°C

Quantity Sold

20 Pack (20-1301)

5 Pack (20-1307)

PRODUCT BIO

BioMed's InTray™ Malt Extract is a microbiology sample collection, transport, and culture device for growth, observation and enumeration of broad-spectrum environmental and pathogenic yeasts and molds. **BioMed's patented InTray™ System saves time and money while reducing exposure to collected samples by combining several procedures into a single device.**



The patented InTray™ system consists of an outer, re-sealable label with an optically clear, anti-fog window covering the media, which creates an airtight seal over the 2" diameter agar surface. The innovative design of the InTray™, with its unique, high-performance viewing window, can be placed directly under a microscope while remaining sealed removing the need to prepare slides or expose the sample once the device has been inoculated. **By combining both growth and observation into one fully enclosed system, the InTray™ system increases throughput while decreasing the cost of laboratory materials and medical waste.**

Additionally, the InTray™ design lends itself to high performance in laboratory and controlled point-of-care settings as well as off-site locations or austere environments. The InTray™ Malt Extract is a fully enclosed system and does not require any reagents or complicated procedures to inoculate or obtain presumptive results. The InTray™ system is also equipped with a small air filter creating a controlled air exchange.

Growth Results:

- *Candida albicans* - Good
- *Aspergillus niger* – Good
- *Saccharomyces cerevisiae* – Good

QUALITY CONTROL

At the time of manufacture, quality control testing is performed on each lot of the InTray™ Malt Extract using ATCC™ strains to ensure viability and sterility. These tests are repeated through the end of the product shelf life by BioMed Diagnostics confirming the ability of the InTray™ Malt Extract to support growth while maintaining specificity.

BACKGROUND

Malt Extract Agar contains maltose as an energy source. Dextrin, a polysaccharide derived from high quality starch, and glycerol are included as carbon sources. Peptone is provided as a nitrogen source. The acidic pH of Malt Extract Agar allows for the optimal growth of molds and yeasts while restricting bacterial growth

DIRECTION

Prior to inoculation, the InTray™ Malt Extract should be brought to room temperature. To inoculate the device, 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 sample and place sample on top of the agar. The 2" diameter well allows for a large enough surface area to streak for isolation.

To incubate the device, return 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 between 30 ±2°C for 18-24 hours. **Consult appropriate reference for ultimate sample collection, incubation and confirmation procedure.**



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

DETECTION

Observe for colony growth and appearance through the clear window. For examination using a microscope, simply place the InTray™ Malt Extract on the microscope and observe through the clear viewing window.

REFERENCES

1. Koneman, E. W., et al., *Color Atlas and Textbook of Diagnostic Microbiology, 6th ed.*, J. B. Lippincott, Philadelphia, 2005.
2. Larone, D.H., *Medically Important Fungi, A Guide to Identification, 4th ed.*, American Society for Microbiology, Washington, D.C., 2002.
3. Murray, P.R., et al., *Manual of Clinical Microbiology, 9th ed.*, American Society for Microbiology, Washington, D. C., 2007.
4. MacFaddin, J. F., *Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, vol. 1*, Williams and Wilkins, Baltimore, 1985