

## Malt Extract Agar

Instructions for Use

11-333-001 InTray™ Malt Extract Agar, 2"tray, 5 trays/box

### INTENDED USE

Malt Extract Agar is a nutrient-rich medium for the use of cultivation, isolation and enumeration of a broad-spectrum of environmental and pathogenic yeasts and molds

### DESCRIPTION AND PRINCIPLE OF USE

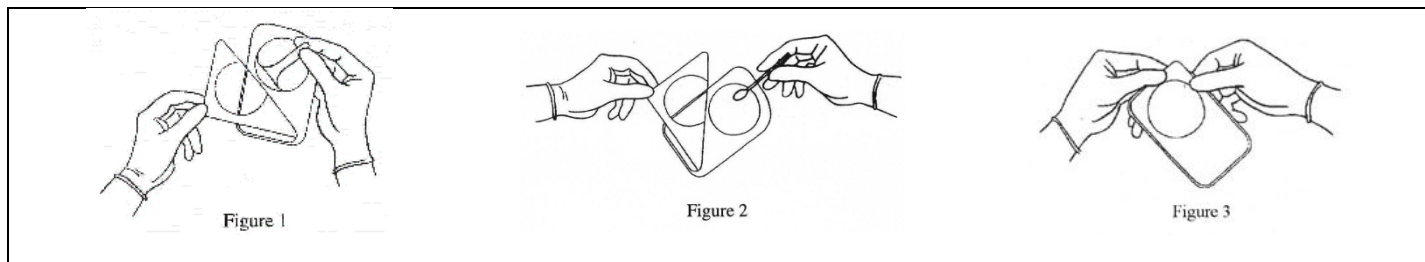
This medium is recommended for the examination of yeasts and molds in clinical, veterinary and environmental samples. The device can accept samples by direct plating or interface directly with standard methods for microbial testing of water samples using the Membrane Filter (MF) Technique<sup>1</sup>. The acidic pH of Malt Extract Agar allows for the optimal growth of molds and yeasts while restricting bacterial growth

### STORAGE

Upon receipt, store InTray™ Malt Extract Agar under refrigeration (2-8°C). Medium can be kept for one day at ambient temperature. Protect media from exposure to light, excessive heat, moisture and freezing. Do not open until ready to use. Do not use if the medium shows signs of deterioration, shrinking, cracking, discoloration or contamination.

### INOCULATION PROCEDURE

Allow the InTray™ to warm to room temperature. Lift the lower right corner of the flexible InTray™ label until the protective seal is completely visible. Remove the paper-foil seal by pulling the tab (Fig. 1). **Discard** the seal. **DO NOT REMOVE OR ALTER THE WHITE FILTER STRIP OVER THE VENT HOLE!**



Streak laboratory sample onto the agar surface for isolation (Fig. 2). Reseal the InTray™ label to the plastic tray body. **Press all around the perimeter of the InTray™ to ensure a complete seal** (Fig. 3). Immediately label the InTray™ with sample information and date. **DO NOT COVER THE VIEWING WINDOW.**

### CULTURE AND RESULTS

Incubate at 25-35°C for 18-24 hours or under ambient atmosphere. The medium can be incubated for 4 weeks or longer under increased humidity, when necessary. The specificity of this medium may be dependent on the incubation temperature.

### LIMITATIONS/PRECAUTIONS

For *in vitro* diagnostic use and for laboratory use. Identification of specific organisms requires further testing. Once the InTray™ has been inoculated and resealed, re-open only in a biological safety cabinet. Because of the potential for containing infectious materials, the InTray™ must be destroyed by autoclaving at 121°C for 20 minutes.

### INTERPRETATION

Identification of fungi is performed by observing various aspects of colony morphology, characteristic microscopic structures, e.g., conidia, hyphae, rate of growth and source of the specimen. Yeasts must be identified by various biochemical tests. For screening and identification of specific yeast colonies from Malt Extract Agar, see the InTray™ Colorex™ Yeast products (cat. no. 11-113-001 & 11-113-002). Consult the listed references for information regarding the identification and further testing of fungi and yeast cultures<sup>2-5</sup>.













### REAGENTS

Malt Extract Agar contains Malt Extract (20.0 g/L), Dextrose (20.0 g/L), Peptone (6.0 g/L), Agar (15.0 g/L).

## QUALITY CONTROL

All Malt Extract Agar products are performance verified with the following ATCC® microbe strains. Product performance is also verified periodically throughout the marked shelf life of each lot.

Organism	ATCC®	Colony Recovery
<i>Aspergillus niger</i>	16404	Good
<i>Candida albicans</i>	10231	Good
<i>Saccharomyces cerevisiae</i>	9763	Good

Symbol Key			
Symbol	Description	Symbol	Description
	Indicates the medical device manufacturer		Indicates the manufacturer's catalogue number so that the medical device can be identified
	Indicates the authorized representative in the European Community/ European Union		CE certification
	Indicates the date after which the medical device is not to be used		Indicates that caution is necessary when operating the device or control close to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences
	Indicates the manufacturer's batch code so that the batch or lot can be identified		Indicates the total number of tests that can be performed with the medical device
	Indicates the temperature limits to which the medical device can be safely exposed		Indicates a medical device that is intended to be used as an in vitro diagnostic medical device
	Indicates the need for the user to consult the instructions for use		Indicates a medical device that is intended for one single use only

## DOCUMENT REVISION HISTORY

Rev. D, Aug 2025

Updated facility address, symbol table, cat #s in the interpretation section, and added a revision table.

## REFERENCES

1. Eaton, Rice and Baird (eds.). 2005. Standard Methods for the Examination of Water and Wastewater, 21<sup>st</sup> ed. APHA, Washington, D.C.
2. Murray, et al. 2007. *Manual of Clinical Microbiology*, 9th ed. American Society for Microbiology, Washington, D.C.
3. Atlas. 1995. *Handbook of Microbiological Media for the Examination of Food*. CRC Press, Boca Raton, LA.
4. Koneman, et al. 2006. *Color Atlas and Textbook of Diagnostic Microbiology*, 6th ed. J.B. Lippincott Company, Philadelphia, PA.
5. APHA Technical Committee on Microbiological Methods for Foods. 2001. *Compendium of Methods for the Microbiological Examination of Foods*, 4th ed. APHA, Washington, D.C.



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