Malt Extract Agar

Instructions for Use

20-1301 InTray™ Malt Extract Agar, 2"tray, 20 trays/box
20-1307 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[1]. 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!**

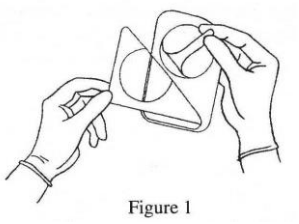

Figure 1

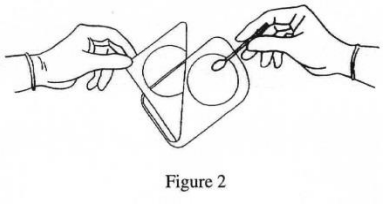

Figure 2

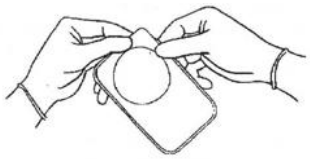

Figure 3

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. 10-6101 & 10-6107). Consult the listed references for information regarding the identification and further testing of fungi and yeast cultures[2-5].

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 Reovery
Aspergillus niger	16404	Good
Candida albicans	10231	Good
Saccharomyces cerevisiae	9763	Good

SYMBOL KEY			
Symbol	Used For	Symbol	Used For
LOT	Batch code	18° 25°	Temperature limitation
	Date of manufacture	REF	Catalog number
	Use by YYY-MM-DD or YYYY-MM		Caution, consult accompanying documents
	Manufacturer	EC REP	Authorized representative in the European Community
IVD	In vitro diagnostic medical device	CE	in European community

REFERENCES

1. Eaton, Rice and Baird (eds.). 2005. Standard Methods for the Examination of Water and Wastewater, 21st 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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