PRODUCT INFORMATION

Product Type: Little Dishes 50mm

Cat No. LD538 - M-GREEN

Intended Use:
M-Green Yeast and Fungi (M-Green Yeast & Mold Agar) media is a selective microbiological culture medium designed for the detection and enumeration of yeasts and molds, especially in beverage samples and other foods.

Principle and Uses:
M-Green Yeast and Fungi media is used for the detection and enumeration of yeasts and filamentous fungi in soft drinks, juices, wines, and similar products via direct plating or membrane filtration.
M-Green Yeast and Fungi media is a relatively more complex formula compared to other media used for isolation of fungi and yeast. This formulation is rich in nutrients which allows for excellent fungal growth. Bacterial growth is inhibited by an acid pH.
Selective for fungi:
The low pH (acidic) prevents growth of most bacteria and favors fungi (yeasts and molds).
Bromcresol green (indicator):
Yeast and mold colonies appear green due to diffusion of the dye into the colonies (alkaline reaction). Acidic byproducts may cause the medium around colonies to turn yellow (acid reaction), which helps in distinguishing colonies visually.
Nutritional Profile:
Rich peptides, vitamins, and glucose provide optimal nutrients for rapid fungal growth, and diastase enzymes further support the growth of molds that metabolize starches.

Composition
Enzymatic Digest of Casein - 5.0 g/L
Enzymatic Digest of Animal Tissue - 5.0 g/L
Yeast Extract - 9.0 g/L
Dextrose - 50.0 g/L
Magnesium Sulfate - 2.1 g/L
Potassium Phosphate - 2.0 g/L
Diastase - 0.05 g/L
Thiamine - 0.05 g/L
Bromocresol Green - 0.026 g/L
Agar – 15 g/L

Storage: 2-8°C
Appearance: green, slightly opalescent
pH Range: 4.5 - 4.9

Package contents: 5 plates in a package
Exp. Date: Printed on label and on the item.
Required materials not supplied: Laboratory equipment as required.

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Petri dishes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Petri Dishes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
If excessive moisture is observed, invert the bottom over an off-set lid and allow to air dry in order to prevent formation of a seal between the top and bottom of the plate during incubation. Storage Instructions: On receipt, store plates in the dark at 2–8 °C. Avoid freezing and overheating. Do not open until ready to use.

Waste Disposal
After interpretation all plates should be destroyed by standard incineration methods.

Performance Testing Results:
GPT: inoculum 10-100 cfu.

TEST	ATCC	Incubation Temp. (℃)	Incubation Cond.	Reaction 1
Candida albicans	10231	20-25 ℃	Aerobic, up to 5 days	Growth
Saccharomyces cerevisiae	2338	20-25 ℃	Aerobic, up to 5 days	Growth
Aspergillus brasiliensis	16404	20-25 ℃	Aerobic, up to 5 days	Growth
Penicillium notatum	10108	20-25 ℃	Aerobic, up to 5 days	Growth

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