

M-GREEN YEAST & MOLD AGAR

Selective medium for detection and enumeration of fungi in beverages.

TYPICAL FORMULA	(g/l)
Yeast Extract	9.0
Dextrose (anhydrous)	50.0
Pancreatic Digest of Casein	5.0
Peptic Digest of Animal Tissue	5.0
Magnesium Sulphate	2.1
Potassium Phosphate	2.0
Diastase	0.05
Thiamine	0.05
Bromcresol Green	0.026
Agar	15.0
Final pH 4.6 ± 0.2	

DESCRIPTION

M-GREEN YEAST & MOLD AGAR is a selective medium used for detection and enumeration of fungi in beverages.

PRINCIPLE

Peptones, yeast extract and dextrose provide nutrients for growth. Magnesium sulphate and potassium phosphate are the buffering agents. Diastase is a mixture of enzymes which hydrolyze starch. Bromcresol green is a pH indicator. The low pH inhibits the bacterial contamination. Agar is the solidifying agent.

TECHNIQUE

Filter the sample through a sterile membrane and transfer the membrane on the agar surface. Then, cover the plate with the lid, turn it upside down and incubate at 30-35°C for 48 hours and up to 5 days in an aerobic atmosphere with increased humidity.

INTERPRETATION OF RESULTS

After incubation, colonies appearing on the filter surface can be counted. Mold colonies appear green and filamentous, whereas yeast colonies are green and opaque.

STORAGE

10-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use and must be used by properly trained operators only.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

1. ATLAS, R.M. & L.C. (1993) Handbook of Microbiological Media. CRC Press. London. ISO Standard 10781:2002 Cork stoppers. Enumeration of colony-forming units of yeasts, moulds and bacteria capable of growth in an alcoholic medium.
2. ISO/TS 11133-1:2009. Microbiology of food and animal feeding stuffs – Guidelines on preparation and production of culture media. Part 1: General Guidelines on quality assurance for the preparation of culture media in the laboratory.
3. ISO/TS 11133-1:2003. Microbiology of food and animal feeding stuffs – Guidelines on preparation and production of culture media. Part 2: Practical guidelines on performance testing of culture media.



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PRODUCT SPECIFICATIONS

NAME

M-GREEN YEAST & MOLD AGAR

PRESENTATION

Ready plates (60 mm) containing 10+/-1 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
163642	20 plates	<ul style="list-style-type: none"> • 2 plates packed one by one in 1 blister pack • 5 blisters wrapped in 1 film thermally welded • 2 packs (10 plates each) in cardboard box

pH OF THE MEDIUM

4.6 ± 0.2

USE

M-GREEN YEAST & MOLD AGAR is a selective medium used for detection and enumeration of fungi in beverages

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Green to blue-green medium, slightly opalescent

SHELF LIFE










6 months

QUALITY CONTROL

1. Control of general characteristics, label and print
2. Sterility control
7 days at 22 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
3. Microbiological control
Inoculum for productivity: 10-100 CFU/ml
Incubation Conditions: 48 h at 30-35°C, in aerobiosis

Microorganism		Growth
<i>Aspergillus niger</i>	ATCC® 16404	Good
<i>Candida tropicalis</i>	ATCC® 1369	Good
<i>Saccharomyces cerevisiae</i>	ATCC® 9763	Good
<i>Candida albicans</i>	ATCC® 10231	Good

TABLE OF SYMBOLS

 LOT	Batch code	 Do not reuse	 Manufacturer	 Use by	 Fragile, handle with care
 REF	Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Caution, consult instructions for use	



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