

Malt Extract Agar

Medium for the cultivation of fungi.

TYPICAL FORMULA*	(g/l)
Peptone	0.78
Maltose	12.75
Dextrine	2.75
Glycerol	2.35
Agar	15.0
Final pH 4.7 ± 0.2	

*Formula may be adjusted and/or supplemented as required to meet performance specifications

DESCRIPTION

Malt Extract Agar is a medium used for the isolation, cultivation and enumeration of yeasts and moulds.

PRINCIPLE

Peptone provides amino acids, nitrogen, carbon, vitamin and minerals. Maltose is a source of energy. Dextrine and glycerol are incorporated into the medium for providing carbon. Agar is the solidifying agent. The acidic pH of the medium allows for optimal growth of fungi while restricting bacterial growth.

TECHNIQUE

Inoculate the medium by streak or spread technique. Incubate at 30 ± 2°C for 18-48 hours under aerobic atmosphere.

INTERPRETATION OF RESULTS

Observe for the growth of colonies.

STORAGE

Store at 10-25°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration. Eliminate if signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

For professional use only. Operators must be trained and have certain experience in the laboratory methods. Please read the instructions carefully before using this product. Reliability of assay results cannot be guaranteed if there are any deviations from the instructions in this document.

Consult the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

DISPOSAL OF WASTE

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

REFERENCES

1. US FDA Administration (2001) Bacteriological analytical manual, online. AOAC International, Gaithersburg, Md.
2. Thom and Church (1926) The aspergilli. Williams & Wilkins, Baltimore, Md.
3. Reddish (1919) Abstr. Bacteriol. 3:6.



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PRODUCT SPECIFICATIONS

NAME

Malt Extract Agar

STORAGE

10-25°C

pH OF THE MEDIUM

4.7 ± 0.2

USE

Malt Extract Agar is a culture medium for the isolation, cultivation and enumeration of yeasts and moulds

SHELF LIFE

6 months

QUALITY CONTROL
Appearance of Medium: Slightly opalescent, light amber

Expected Cultural Response

 Inoculum: 10³-10⁴ CFU

Incubation: 18-48 h/ 30 ± 2°C

Control strains		Growth
<i>Aspergillus brasiliensis</i>	WDCM 00053 (ATCC® 16404, NCPF 2275)	Good
<i>Candida albicans</i>	WDCM 00054 (ATCC® 10231, NCPF 3179)	Good
<i>Saccharomyces cerevisiae</i>	WDCM 00058 (ATCC® 9763, NCTC 10716)	Good

Please refer to the actual batch related Certificate of Analysis (CoA)

PACKAGING

Ref. 10066 90 mm Plate 20 (2 x 10) plates

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	 Consult instructions for use	


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