

MALT EXTRACT AGAR

Medium for yeasts and moulds isolation, cultivation and enumeration.

TYPICAL FORMULA (g/l)

Maltose	12.75
Dextrin	2.75
Peptone	0.78
Agar	15.0
Final pH = 4.7 ± 0.2 at 25 °C.	

DIRECTIONS

Suspend 31.3 g of powder in 1 liter of distilled or deionized water. Add 2.35 g of glycerol. Heat to boiling until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes. Avoid overheating which could cause a softer medium. Dispense into Petri dishes. Let solidify and dry in an incubator with the cover partially removed.

DESCRIPTION

MALT EXTRACT AGAR is used for isolating, cultivating and enumerating yeasts and moulds. The acid pH of the medium allow for the optimal growth of yeasts and moulds while restricting bacterial growth.

TECHNIQUE

Transfer 0.1 ml of each dilution of the sample onto the medium surface and spread the inoculum with a sterile spatulum. Incubate at 30 ± 2 °C for 18-72 hours.

QUALITY CONTROL

Dehydrated medium
Appearance: free-flowing, homogeneous.
Color: off-white.
Prepared medium
Appearance: slightly opalescent.
Color: very light amber.
Incubation conditions: 30 ± 2 °C for 18-72 hours.

Microorganism	ATCC	Growth
<i>Aspergillus niger</i>	16404	good
<i>Candida albicans</i>	10231	good
<i>Saccharomyces cerevisiae</i>	9763	good

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.
Store prepared plates at 2-8 °C.








REFERENCES

1. Abs. Bact. (1919). 3 : 6.
2. Thom, C., and M.B. Church. (1926). The Aspergilli. Williams and Wilkins Co. Baltimore.
3. Association of Official Agricultural Chemists. (1995). Official methods of analysis, 16th ed.

PRESENTATION

Product	REF	Σ
MALT EXTRACT AGAR (15.9 l)	610173	500 g
MALT EXTRACT AGAR (3.1 l)	620173	100 g

TABLE OF SYMBOLS

LOT Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	 Keep away from heat source
REF Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	



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