

Product Name : Malt Extract Agar

Medium for yeasts and moulds isolation, cultivation and enumeration.

CONTENTS (G/L)

Maltose 12.75
Dextrin 2.75
Peptone 0.78
Agar 15.0
Final pH = 5.7 ± 0.2 at 25°C.

PROCEDURE

Suspend 31.28 G of powder in 1 L of distilled or deionized water. Add 2.35 mL of Glycerol supplement (MB-G1821). Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Avoid overheating. Dispense into petri dish.

INTERPRETATION

Malt Extract Agar is medium used for isolation, cultivation and enumeration yeasts and moulds. Maltose is an energy source. Dextrin and glycerol provide carbon sources. Peptone provides nitrogen, carbon, vitamins and minerals. Agar is the solidifying agent.

TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 30 ± 2°C for 18-72 hours.

QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: cream.

Prepared medium

Appearance: slightly opalescent.

Color: very light amber.

Incubation conditions: 30 ± 2°C / 18-72 hours.

Microorganism	ATCC	Inoculum CFU	Growth
<i>Aspergillus niger</i>	16404	50-100	good
<i>Candida albicans</i>	10231	50-100	good
<i>Saccharomyces cerevisiae</i>	9763	50-100	good

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STORE

The powder is very hygroscopic. Store the powder at room temperature, 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 are evident. Store prepared media at 2-6°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.

PACKAGE

Cat. No : MB-M1173 Malt Extract Agar	500 G
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