

DTM (Dermatophyte) Agar



Medium used for the isolation and cultivation of dermatophytes.

• CONTENTS (Liter)

Papaic Digest of Soybean Meal	10.0 g
Glucose	10.0 g
Cycloheximide	0.5 g
Gentamicin Sulfate	0.1 g
Phenol Red	0.2 g
Agar	17.0 g
Final pH = 5.5 ± 0.2 at 25°C	

• PROCEDURE

Suspend 37.8 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 10 minutes. Cool to 45 - 50°C in water bath. Aseptically add 2 vials of Dermatophyte supplement (MB-D1825). Mix well. Pour into petri dishes.

Dermatophyte supplement

1 vial contents (each vial is sufficient for 500 mL of medium)
Chlortetracycline 0.05 g

• INTERPRETATION

DTM (Dermatophyte) Agar is a medium used for the isolation and cultivation of dermatophytes. Papaic digest of soybean meal provides nitrogen, amino acids, vitamins and minerals. Glucose provides carbohydrates. Cycloheximide, gentamicin sulfate and dermatophyte supplement are the selective agents for heavily contaminated samples. Phenol red is a pH indicator. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 25 ± 2°C for 48 - 72 hours up to 7 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: pinkish beige

Prepared medium

Appearance: slightly opalescent

Color: orange

Incubation conditions: 25 ± 2°C / 48 - 72 hours up to 7 days

Microorganism	ATCC	Inoculum CFU	Growth	Color Change of Medium
<i>Candida albicans</i>	10231	50-100	good	pink to red
<i>Aspergillus niger</i>	16404	heavy	none to poor	-
<i>Escherichia coli</i>	25922	≥10 ³	inhibited	-

• 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. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Allen, A.M., R.A. Drewry, and R.E. Weaver. (1970). Arch. Derm. 102: 68- 70.
2. Taplin, D., N. Zaias, G. Rebell, and H. Blank. (1969). Arch. Derm. 99: 1969.

• PACKAGE

Cat. No : MB-D1160 DTM (Dermatophyte) Agar	500 G
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