

Aspergillus Differential Agar

Medium used for the identification and determination of *Aspergillus* species based on pigmentation.

• CONTENTS (Liter)

Pancreatic Digest of Casein	15.0 g
Yeast Extract	10.0 g
Ferric Citrate	0.5 g
Agar	15.0 g
Final pH = 6.5 ± 0.2 at 25°C	

• PROCEDURE

Suspend 40.5 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes. Arrange tubes in a slanted position.

• INTERPRETATION

Aspergillus Differential Agar is a medium used for the identification and determination of *Aspergillus* species based on pigmentation. Pancreatic digest of casein and yeast extract provide the carbon, nitrogen, vitamins and minerals. Ferric citrate provides iron ions necessary for pigment production by *A. flavus*. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 25 - 30°C for up to 10 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

Prepared medium

Appearance : clear

Color: amber

Incubation conditions: 25 - 30°C / up to 10 days

Microorganism	ATCC	Growth	Characteristics
<i>Aspergillus flavus</i>	22546	good	yellow-orange pigment
<i>Aspergillus oryzae</i>	10124	good	yellow pigment

• 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. Bothast and Fennel. 1974. Mycologia. 66:365.
2. Haley and Callaway. 1978. Laboratory methods in medical mycology, 4th ed. Center for Disease Control, Atlanta, Ga.
3. McGinnis. 1980. Laboratory handbook of medical mycology. Academic Press, New York, N.Y.
4. Kennedy and Sigler. 1999. In Murray, Baron, Pfaller, Tenover and Tenover (ed.), Manual of clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.

• PACKAGE

Cat. No : MB-A0704 Aspergillus Differential Agar	500 G
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