

Rice Extract Agar



Medium used for the cultivation and identification of *Candida albicans* on the basis of chlamyospore production.

• CONTENTS (Liter)

White Rice, Extract from (solids)	5.0 g
Agar	20.0 g
Final pH = 6.6 ± 0.2 at 25°C	

• PROCEDURE

Suspend 25.0 G of powder in 1 L of distilled or deionized water. Add 10 mL of Tween 80 supplement (MB-T1861). Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Pour into petri dishes.

• INTERPRETATION

Rice Extract Agar is a medium used for the cultivation and identification of *Candida albicans* on the basis of chlamyospore production. White rice, extract from (solids) provides the nutrients for the growth of *Candida* spp. Agar is the solidifying agent. Tween 80 is added to stimulate chlamyospore formation.

• TECHNIC

For observation of the chlamyospores, slit the surface of agar plate thinly and then inoculate the suspensions of specimens or streak the low concentration of specimens in zig zag lines using a sterile loop to the medium. Cover the inoculated surface with sterile cover glasses. Incubate at 25 ± 2°C for 18 - 96 hours. Observe the incubated plate by microscope using approximately 100X magnification. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: slightly opalescent

Color: very light amber

Incubation conditions: 25 ± 2°C / 18 - 96 hours

Microorganism	ATCC	Growth	Chlamyospores
<i>Candida albicans</i>	10231	good	+
<i>Candida krusei</i>	32196	good	-

• 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. Taschdjian. 1953. Mycologia 45:474.
2. Taschdjian. 1957. Mycologia 49:332.
3. Cooper and Silva-Hutner. 1985. In Lennette, Balows, Hausler and Shadomy (ed.), Manual of clinical microbiology, 4th ed. American Society for Microbiology, Washington, D.C.

• PACKAGE

Cat. No : MB-R0840 Rice Extract Agar	500 G
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