

Glycerol Yeast Agar



Medium used for the cultivation and enumeration of Actinomycetes, Bacillus and other Gram-positive spore forming microorganisms.

• CONTENTS (Liter)

Yeast Extract	5.0 g
Agar	15.0 g
Final pH = 6.8 ± 0.2 at 25°C	

• PROCEDURE

Suspend 20.0 G of powder in 950 mL of distilled or deionized water. Add 50 mL of Glycerol supplement (MB-G1821). Mix well. 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 petri dishes.

• INTERPRETATION

Glycerol Yeast Agar is a medium used for the cultivation and enumeration of Actinomycetes, Bacillus and other Gram-positive spore forming microorganisms. Yeast extract provides vitamin B complex nutrients and other growth factors. Agar is the solidifying agent. Glycerol is added as a carbon source for bacterial growth.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 30 - 35 °C for 40 - 72 hours up to 7 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: light amber

Incubation conditions: 30 - 35 °C / 40 - 72 hours up to 7 days

Microorganism	ATCC	Inoculum CFU	Growth
<i>Streptomyces albus</i>	3004	heavy	good
<i>Bacillus cereus</i>	11778	50-100	good
<i>Candida albicans</i>	10231	50-100	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. Dondero N. C., Philips R. A. and Heukelekian H., 1961, Appl. Microbiol., 9:219
2. Armbuster E. H., 1969, Appl. Microbiol., 17:320.

• PACKAGE

Cat. No : MB-G1606 Glycerol Yeast Agar	500 G
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• MICROBIAL CULTURE IMAGES



None



Candida albicans ATCC 10231



Streptomyces albus ATCC 3004

Incubation conditions : 30 - 35°C 72h