Chloramphenicol Glucose Agar

Selective medium used for the enumeration of yeast and moulds.

• CONTENTS (Liter)

Yeast Extract	5.0 g
Glucose	20.0 g
Chloramphenicol	0.2 g
Agar	14.8 g

Final pH = 6.6 ± 0.2 at 25°C.

• PROCEDURE

Suspend 40.0 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. Dispense in petri dishes.

• INTERPRETATION

Chloramphenicol Glucose Agar is a selective medium used for the enumeration of yeast and moulds. Yeast extract provides basic nutrient source. Glucose is a carbohydrate source for fermentation. Chloramphenicol is the broad-spectrum antibiotic inhibited to a wide range of gram-negative and gram-positive bacteria. Agar is the solidifying agent.

• TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 25 ± 2°C for 2 - 3 days up to 5 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium
Appearance: free-flowing, homogeneous.
Color: beige.
Prepared medium
Appearance: clear to slightly opalescent.
Color: light amber.
Incubation conditions: 35 ± 2°C / 2 - 3 days up to 5 days

Microorganism	ATCC	Inoculum CFU	Growth
Aspergillus brasiliensis	16404	50-100	good
Candida albicans	10231	50-100	good
Saccharomyces cerevisiae	76625	50-100	good
Escherichia coli	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 or until signs of deterioration or contamination are evident. Store prepared medium at 2-8˚C.

• REFERENCES

1. ISO standard 7954 (AFNOR NF V 08 022).
2. Engel G., 1982, Milchwiss, 37:727.

• PACKAGE

Cat. No : MB-C2142 Chloramphenicol Glucose Agar	500 G

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