

Potato Extract Agar



Medium used for the cultivation and enumeration of a wide variety of yeasts and molds.

• CONTENTS (Liter)

Peptone	5.0 g
Sodium Chloride	5.0 g
Yeast Extract	2.0 g
Beef Extract	1.0 g
Potato Extract	12.0 g
Agar	15.0 g
Final pH = 7.0 ± 0.2 at 25°C	

• PROCEDURE

Suspend 40.0 G of powder to 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 petri dishes.

• INTERPRETATION

Potato Extract Agar is a medium used for the cultivation and enumeration of a wide variety of yeasts and molds. Peptone, beef extract and potato extract provide nitrogen, carbon, amino acids and minerals. Yeast extract provides vitamins. Sodium chloride maintains the osmotic balance. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 22 - 25°C for 3 days up to 7 days. 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: light amber

Incubation conditions: 22 - 25°C / 3 days up to 7 days

Microorganism	ATCC	Inoculum CFU	Growth
<i>Aspergillus brasiliensis</i>	16404	heavy	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. Mac Faddin, J. F. 1985. Media for isolation-cultivation-identification-maintenance of medical bacteria, vol.1. Williams & Wilkins, Baltimore, MD.
2. Atlas, Ronald M. (2010). Handbook of microbiological media (4th ed.). Washington, D.C.: Boca Raton, Fla.

• PACKAGE

Cat. No : MB-P0627 Potato Extract Agar	500 G
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