

PDB (Potato Dextrose Broth)



Medium used for the cultivation and enumeration of yeasts and molds.

• CONTENTS (Liter)

Infusion from Potatoes	7.0 g
Dextrose	20.0 g
Final pH = 5.1 ± 0.2 at 25°C	

• PROCEDURE

Suspend 27.0 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. Pour into tubes.

• INTERPRETATION

PDB (Potato Dextrose Broth) is a medium used for the cultivation and enumeration of yeasts and molds. Potatoes provides nitrogen, carbon, vitamins and minerals for growth of microorganisms. Dextrose is a carbohydrate source for fermentation.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the middle of the medium. Incubate at 25 - 30°C for 48 - 72 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: clear to very slightly opalescent

Color: very light amber

Incubation conditions: 25 - 30°C / 48 - 72 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Aspergillus niger</i>	16404	50-100	good
<i>Candida albicans</i>	10231	50-100	good
<i>Saccharomyces cerevisiae</i>	76625	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 or until signs of deterioration or contamination are evident. Store prepared medium at 2 - 8°C.

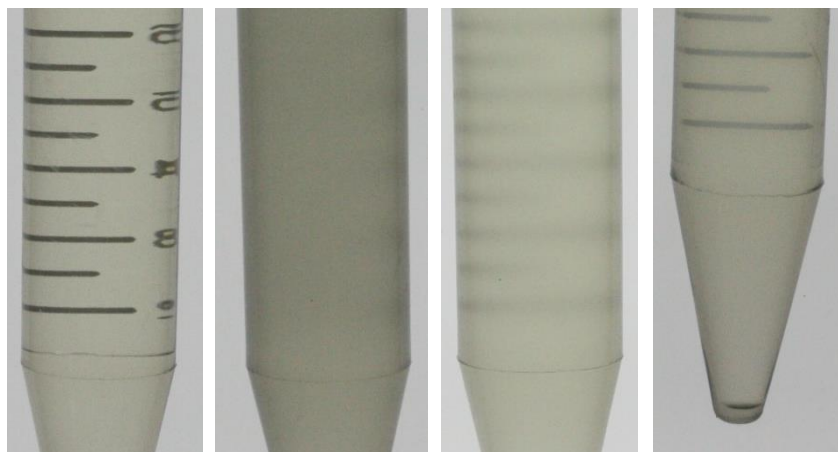
• REFERENCES

1. Abs. Bact. (1919). 3 : 6.
2. FDA (1995) Bacteriological analytical manual, 8th ed. Revision A, 1998. Published by AOAC International..

• PACKAGE

Cat. No : MB-P1106 PDB (Potato Dextrose Broth)	500 G
---	-------

• MICROBIAL CULTURE IMAGES



None

Candida albicans
ATCC 10231
(100CFU)

Saccharomyces cerevisiae
ATCC 76625
(100CFU)

Escherichia coli
ATCC 25922
(100CFU) (-/+)

Incubation conditions : 35±2°C, 40h