

PDB (Potato Dextrose Broth)



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

• CONTENTS (Liter)

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|------------------------------|--------|
| 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. Infusion from potatoes provides nitrogen, carbon, vitamins and minerals for the growth of microorganisms. Dextrose is the carbohydrate.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 25 - 30°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: light beige

Prepared medium

Appearance: clear to slightly opalescent

Color: very light amber

Incubation conditions: 25 - 30°C / 2 - 3 days up to 5 days

| Microorganism | ATCC | Inoculum CFU | Growth |
|---------------------------------|-------|--------------|--------|
| <i>Aspergillus niger</i> | 16404 | heavy | 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. Store prepared medium at 2 - 8°C.

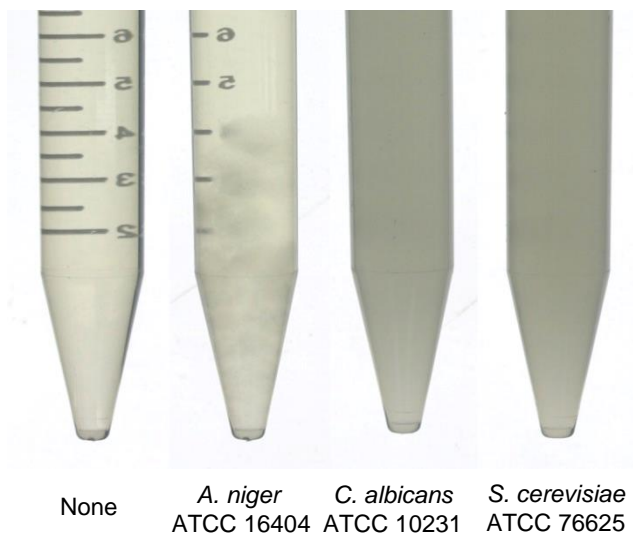
• REFERENCES

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 |
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• MICROBIAL CULTURE IMAGES



Incubation conditions : 25 - 30°C / 2 - 3 days up to 5 days