

## POTATO DEXTROSE BROTH

Medium for yeasts and moulds cultivation from foods.

### TYPICAL FORMULA (g/l)

Potatoes, infusion from 200.0  
Glucose 20.0

Final pH = 5.1 ± 0.2 at 25 °C.

### DIRECTIONS

Suspend 27.0 g of powder in 1 liter of distilled or deionized water. Heat to boiling until completely dissolved.  
Dispense into final containers. Sterilize in autoclave at 121 °C for 15 minutes.

### DESCRIPTION

POTATO DEXTROSE BROTH is used for culturing yeasts and moulds from food and dairy products. It is used for cultivating yeasts and moulds.

### TECHNIQUE

Transfer the sample into a tube. Incubate at 30-32 °C for 48 hours. Growth is indicated by turbidity.

### QUALITY CONTROL

#### Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

#### Prepared medium

Appearance: clear.

Color: very light amber.

Incubation conditions: 30 ± 2 °C for 48 hours.

Microorganism	ATCC	Growth
<i>Aspergillus niger</i>	16404	good
<i>Candida albicans</i>	10231	good
<i>Saccharomyces cerevisiae</i>	9763	good

### PERFORMANCE AND LIMITATIONS

Do not heat the medium after addition of acid because this hydrolyzes the agar and reduces its solidifying power. Potato Dextrose Agar is not a differential medium: perform microscopic examination and biochemical tests to identify isolates to genus and species if necessary.

### STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, 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 tubes at 2-8 °C.








### REFERENCES

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

### PRESENTATION

Product	REF	$\Sigma$
POTATO DEXTROSE BROTH (18.5 l)	610106	500 g
POTATO DEXTROSE BROTH (3.7 l)	620106	100 g

### TABLE OF SYMBOLS

<b>LOT</b> Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	 Keep away from heat source
<b>REF</b> Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	



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