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## TECHNICAL INFORMATION

Catalog Number: 1008517

### Potato Dextrose Agar

For the cultivation and identification of yeasts and molds.

Potato Dextrose Agar is used for the isolation, enumeration and identification of yeast and molds.

This medium is recommended by the Association of Public Health (APHA).

#### Approximate formula in g/l:

Potato Infusion	200	Dextrose	20
Agar	15		

Final pH  $5.6 \pm 0.2$

**Preparation:** Suspend 39 g of the medium in one liter of distilled or deionized water. Mix well and heat with frequent agitation. Boil for one minute. Sterilize at 121°C (15 lbs. of pressure) for 15 minutes. Cool to 40-45°C and pour into Petri dishes.

**Uses:** Potato Dextrose Agar can be used in the analysis of dairy products, bottled drinks, frozen food and other types of food. It can also be used in the identification of fungi and yeasts in parallel with their cellular morphology or in methods of microcultivation in slides.

When the medium is to be used for enumeration of molds and yeasts, add to the medium, sterilized and cooled to 45-50°C, approximately 14 ml of a sterilized 10% solution of tartaric acid to obtain a pH of 3.5. Do not heat the medium after adding the acid, because the agar may hydrolyze and not solidify.

#### References:

- American Public Health Association. Standard Methods for the Examination of Dairy Products, 13 ed. APHA, Inc., New York, 1960.
- American Public Health Association. Recommended Methods for the Microbiological Examination of Foods. APHA, New York, 1958.

#### Availability:

Catalog Number	Description	Size
1008517	Potato Dextrose Agar	500 g
1008517	Potato Dextrose Broth	500 g