Product Specifications

POTATO DEXTROSE AGAR

Catalog #	Size
IB49190	500gm
IB49191	2Kg
IB49192	5Kg

Physical Specifications

CAS#   N/A
pH (@ 25ºC)   5.6 ± 0.2
NOTE: Grams per liter may be adjusted to obtain desired performance.

Organism	Result
Aspergillus niger ATCC 16404	*Woolly and black mycelium*
Candida albicans ATCC 10231	*Off-white creamy colonies*
Saccharomyces cerevisiae ATCC 9763	*Off-white creamy colonies*
Trychophyton mentagrophytes ATCC 9533	*Off-white to tan & powdery*

Formula per Liter

- Potato Infusion   4.0gm
- Dextrose   20.0gm
- Agar   15.0gm

Preparation

Mix 39.0gm of the medium in 1L of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. If desired, the pH of the medium can be adjusted to 3.5 ± 0.1, prior to pouring plates, by the addition of 14ml of sterile 10% tartaric acid to melted sterile medium cooled to 45-50°C. Avoid reheating medium after the addition of the tartaric acid solution.

Recommended Use

Potato Dextrose Agar is used for the isolation, identification, and cultivation of fungi. Potato Dextrose Agar is also used in the cultivation and isolation of yeasts and molds from dairy and food products. Lowing the pH to 3.5 ± 0.1 inhibits bacterial growth and aids in the isolation of fungi.

Storage

Store at room temperature (less than 30°C). Keep tightly sealed. Protect from moisture and light.

Warning

Avoid contact to the eyes, respiratory system, and skin. Wear suitable protective clothing, gloves, and eye/face protection. See Material Safety Data Sheet for additional information.