

TECHNICAL DATA SHEET (TDS)

Product: Potato Dextrose Broth (PDB)

Catalog Number: AS-1331

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1. Product Overview

Potato Dextrose Broth (PDB) is a nutrient-rich liquid culture medium formulated for the cultivation of fungi and yeasts. It is prepared from dehydrated potato infusion solids and dextrose, providing an abundant carbon source and essential nutrients.

2. Product Details

Form	Dehydrated powder
Appearance (powder)	Cream-coloured, homogeneous powder
Prepared medium	Light yellow, clear to slightly opalescent
Final pH (25°C)	5.1 ± 0.2
HS Code	3821.00.00
Packaging	100 g, 500 g, 1 kg, 5 kg, 25 kg

3. Composition (per litre, typical)

Potato infusion solids	~4.0 g
Dextrose	20.0 g

4. Applications

- Cultivation of fungi and yeasts (Saccharomyces, Candida, Aspergillus, Penicillium)
- Mycological research and fungal physiology studies
- Fermentation and biomass production
- Plant pathology and quality control testing

5. Preparation

Suspend the required amount in purified water.

Heat with agitation until fully dissolved.

Sterilise by autoclaving at 121 °C for 15 minutes.

Cool before use.

6. Storage & Stability

Store dehydrated medium at 2–25 °C in a dry, sealed container.

Prepared broth: 2–8 °C, protected from light.

Discard if contamination or precipitation is observed.

7. Intended Use

For laboratory and research microbiology use only.

Not for human or veterinary use.

8. Quality & Compliance

Manufactured to microbiological grade standards.

Batch-specific COA available.

SDS and TDS available upon request.