Technical Data Sheet

APDA001 Potato Dextrose A Agar

For the subculture of fungi in accordance with the harmonized method of USP/EP/BP/JP.

Composition	Ingredients Gms / Litre
Potato infusion (Infusion from 200 g potatoes)	4.0
D (+) Glucose anhydrous	20.0
Agar – agar	15.0

Appearance:

Light amber colour Sterile PDA Agar in 90 mm Petri Plates

pH (at 25°C):

5.6 ± 0.2

Principle:

POTATO DEXTOSE AGAR is used for the isolation and enumeration and culturing of yeast and molds from samples. It can also be used in the identification of fungi and yeasts in parallel with their cellular morphology or in methods of micro cultivation in slides. D (+) Glucose anhydrous and Potato infusion promote the growth of yeasts and moulds while the low pH value partially inhibits the growth of the accompanying bacterial flora. Agar is a solidifying agent. Fungi grow on this medium to develop typical morphology.

Quantity of Medium

30ml of medium in 90mm plates

Dose of Gamma irradiation

12 to 17 KGy

Cultural Response

Cultural characteristics were observed after incubation at 20 -25°C for 2-5 days and recovery should be greater than 70%.

Sterility Test:

Passes release criteria.

Shelf Life and Storage Conditions:

Use before expiry date on the label and store below 25°C.

Reference Pharmacopoeia:

IP/USP/EP