

POTATO DEXTROSE AGAR

INTENDED USE:

Potato Dextrose Agar (PDA) is used for the cultivation of fungi.

PRINCIPLE AND INTERPRETATION:

Potato Dextrose Agar is composed of dehydrated Potato Infusion and Dextrose that encourage luxuriant fungal growth. Agar is added as the solidifying agent. Many standard procedures use a specified amount of sterile tartaric acid (10%) to lower the pH of this medium to 3.5 +/- 0.1, inhibiting bacterial growth. Chloramphenicol acts as a selective agent to inhibit bacterial overgrowth of competing microorganisms from mixed specimens, while permitting the selective isolation of fungi.

COMPOSITION:

Ingredients	Gr/Liter
Potarto extract	4 gr
Glucose	20 gr
Agar	15 gr

***Formula adjusted, standardized to suit performance parameters

pH: 5,6 ± 0,2

PRECAUTIONS:

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

TEST PROCEDURE:

Incubation at a temperature of 25±2°C and observed after 48-120 hours.

QUALITY CONTROL:**1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 5,6 ± 0,2

Apperance: Light amber

3.Microbiological Control: Incubation at a temperature of 25±2°C and observed after 48-120 hours.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Candida albicans ATCC 10231	10-100	Good	Good
Aspergillus brasiliensis ATCC 16404	10-100	Good	Good

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2- 12°C. Use before expiry date on the label.Do not use beyond stated expiry date.

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DISPOSAL:

Incubated medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected tube should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

PACKAGING:**Katalog Number:** 01009**Content/Packaging:** 50 Tubes/Box**REFERENCES:**

1. American Public Health Association (1992) Standard Methods for the Examination of Dairy Products. 16th Edn. APHA Inc. Washington DC.
2. American Public Health Association (1992) Compendium of Methods for the Microbiological Examination of Foods 3rd Edition. APHA Inc. Washington DC.
3. US Pharmacopoeia 30 (2008)
4. European Pharmacopoeia 6.1. 2.6.12 Microbiological Examination of Non-Sterile Products: Harmonised Method: Microbial Enumeration tests 2.6.13 Microbiological Examination of Non-Sterile Products: Test for Specified Micro-organisms. B. Harmonised Method. (2008).
5. Japanese Pharmacopoeia. 15 th Edition. (2006).



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by

Temperature
Limitation

Do not reuse

Contains sufficient
for <n> tests

Look at user manual



Manufacturer