

**TECHNICAL SHEET**

<b>PP020</b>	<b>Potato Dextrose Agar Plate</b>
<b>Formula</b>	
<b>Ingredients:</b>	<b>gms/lit.</b>
Potatoes infusion from	200.00
Dextrose	20.00
Agar	15.00
Final pH (at 25°C): 5.6 ± 0.2	
<b>Directions:</b>	
Label the ready to use plate (PP020). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.	
<b>Principle:</b>	
Potato infusion and dextrose promote luxuriant fungal growth. Adjusting the pH of the medium by tartaric acid inhibits the bacterial growth. Heating the medium after acidification should be avoided as it may hydrolyze the agar which can render the agar unable to solidify. Potato Dextrose Agar is also used for stimulating sporulation, for maintaining stock cultures of certain dermatophytes and for differentiation of typical varieties of dermatophytes on the basis of pigment production	
<b>(I) QC Tests</b>	
pH:	5.6 ± 0.2
Color:	Light Amber coloured medium
Appearance:	Sterile Potato Dextrose Agar in 90X15 mm disposable plates.
<b>(II) Sterility test</b>	Passes release criteria
<b>(III) Q.C. Test Microbiological</b>	
Cultural characteristics observed after an incubation at 22 - 28°C for 48-72 hours.	
MICROORGANISM (ATCC)	GROWTH
Candida albicans 10231	luxuriant
Aspergillus niger 16404	luxuriant
Saccharomyces cerevisiae 9763	luxuriant
<b>Precautions :</b>	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
<b>Use:</b>	For isolation and enumeration of yeasts and moulds from dairy and other products.
<b>Storage:</b>	Store between 2-8°C. Use before expiry date on the label.
<b>Packing:</b>	10/20/50 disposable plates.

**Disclaimer:**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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