BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

PP020	**Potato Dextrose Agar Plate**	
Formula		
Ingredients:		**gms/lit.**
Potatoes infusion from		200.00
Dextrose		20.00
Agar		15.00
Final pH (at 25°C): 5.6 ± 0.2		
Directions:		
Label the ready to use plate (PP020). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.		
Principle:		
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		
(I) QC Tests		
	pH:	5.6 ± 0.2
	Color:	Light Amber coloured medium
	Appearance:	Sterile Potato Dextrose Agar in 90X15 mm disposable plates.
(II)Sterility test		Passes release criteria
(III)Q.C. Test Microbiological		
	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

Precautions :	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	For isolation and enumeration of yeasts and moulds from dairy and other products.
Storage:	Store between 2-8°C. Use before expiry date on the label.
Packing:	10/20/50 disposable plates.

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