

TECHNICAL SHEET

PP019	Plate Count Agar Plate	
Formula		
Ingredients:	gms/lit.	
Casein enzymic hydrolysate	5.00	
Yeast extract	2.50	
Dextrose	1.00	
Agar	15.00	
Final pH (at 25°C): 7.0± 0.2		
Directions:		
Label the ready to use plate (PP019).Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.		
Principle:		
Plate count agar contains tryptone provides nitrogenous and carbonaceous compounds, long chain amino acids, and other essential nutrients. Yeast extract supplies Vitamin B complex.Dextrose is a source of fermentablecarbohydrate (energy source). Agar is a solidifying agent.PlateCount Agar is also suitable for enumerating bacterial count of sterile rooms.		
(I) QC Tests		
pH:	7.0 ± 0.2	
Color:	Light yellow coloured medium	
Appearance:	Sterile Plate Count Agar in 85mm disposable plates.	
(II) Sterility test	Passes release criteria	
(III) Q.C. Test Microbiological		
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.		
MICROORGANISM (ATCC)	GROWTH	
Escherichia coli 25922	luxuriant	
Staphylococcus aureus25923	luxuriant	
Enterococcus faecalis29212	luxuriant	
Lactobacillus casei 9595	luxuriant	
Bacillus subtilis ATCC 6633	luxuriant	
Streptococcus pyogenes19615	luxuriant	

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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 determination of plate counts of microorganisms in foods, water and waste water.
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	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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