

**TECHNICAL SHEET**

<b>PP042</b>	<b>Plate Count Agar Plate</b>
<b>Formula</b>	
<b>Ingredients:</b>	<b>gms/lit.</b>
Casein enzymic hydrolysate	5.00
Yeast extract	2.50
Dextrose	1.00
Agar	15.00
Final pH (at 25°C): 7.0± 0.2	
<b>Directions:</b>	
Label the ready to use plate (PP042). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.	
<b>Principle:</b>	
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 fermentable carbohydrate (energy source). Agar is a solidifying agent. Plate Count Agar is also suitable for enumerating bacterial count of sterile rooms.	
<b>(I) QC Tests</b>	
pH:	7.0 ± 0.2
Color:	Light yellow coloured medium
Appearance:	Sterile Plate Count Agar in 150mm disposable plates.
<b>(II) Sterility test</b>	Passes release criteria
<b>(III) Q.C. Test Microbiological</b>	
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.	
MICROORGANISM (ATCC)	GROWTH
Escherichia coli 25922	luxuriant
Staphylococcus aureus 25923	luxuriant
Enterococcus faecalis 29212	luxuriant
Lactobacillus casei 9595	luxuriant
Bacillus subtilis ATCC 6633	luxuriant
Streptococcus pyogenes 19615	luxuriant

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<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 determination of plate counts of microorganisms in foods, water and waste water.
<b>Storage:</b>	Store between 2-8°C. Use before expiry date on the label.
<b>Packing:</b>	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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