

TECHNICAL SHEET

SB006	Plate Count Agar	
Formula		
Ingredients:		gms/lit.
Casein enzymic hydrolysate		5.00
Yeast extract		2.50
Dextrose		1.00
Agar		15.00
Directions:		
Molten Plate Count Agar by heating in boiling water. Cool to 45–50°C and pour into Petri dishes and allow to firm for 25-30 min.		
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 fermentable carbohydrate (energy source). Agar is a solidifying agent. Plate Count 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 glass bottle containing slightly opalescent Plate Count Agar.
(II) Sterility test		Passes release criteria
(III) Q.C. Test Microbiological		
Cultural characteristics after melting the medium and pouring into sterile petri plates. The plates are inoculated with following test organisms and 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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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:	100ml/500ml of medium in sterile glass bottle.

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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