

TECHNICAL SHEET

PP024	Rose Bengal Chloramphenicol Agar Plate	
Formula		
Ingredients:	gms/lit.	
Mycological peptone	5.00	
Dextrose	10.00	
Monopotassium phosphate	1.00	
Magnesium sulphate heptahydrate	0.50	
Rose bengal	0.05	
Chloramphenicol	0.10	
Agar	15.50	
Final pH (at 25°C): 7.2 ± 0.2		
Directions:		
Label the ready to use plate (PP024). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.		
Principle:		
Mycological peptone provides the carbon and nitrogen sources required for good growth of a wide variety of organisms. Dextrose is an energy source. Monopotassium phosphate provides buffering capability. Magnesium sulfate provides necessary trace elements. Rose Bengal is included as a selective agent that inhibits bacterial growth and restricts the size and height of colonies of the more rapidly growing moulds. Chloramphenicol inhibits gram-negative bacteria. Agar is the solidifying agent. Due to the selective properties of this medium and the type of specimen being cultured, some strains of fungi may grow poorly or fail to grow on the complete medium; similarly, some strains of bacteria may also not inhibit or only partially inhibited. Care should be taken not to expose this medium to light, since photodegradation of rose bengal yields compounds that are toxic to fungi.		
(I) QC Tests		
pH:	7.2 ± 0.2	
Color:	Deep pink coloured medium.	
Appearance:	Sterile Rose Bengal Chloramphenicol Agar in 85mm 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	
BACILLUS SUBTILIS 6633	Inhibited	
ESCHERICHIA COLI 25922	Inhibited	
ENTEROCOCCUS FAECALIS 19433	Inhibited	
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 selective isolation and enumeration of yeasts and moulds from foods and environmental materials.
Storage:	Store between 2-8°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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