

TECHNICAL SHEET

PP004	Cetrimide Agar Plate				
Formula					
Ingredients:		gms/lit.			
Pancreatic Digest of Gelatin		20.00			
Magnesium Chloride		1.40			
Potassium Sulphate		10.00			
Cetrimide		0.30			
Agar		15.00			
Final pH (at 25°C): 7.2 ± 0.2					
Directions:					
Label the ready to use plate (PP004). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.					
Principle:					
Pancreatic Digest of Gelatin provides the nitrogen, vitamins and amino acids in Cetrimide Agar Base. Magnesium Chloride and Potassium Sulfate enhance the production of pyocyanin and fluorescein. Cetrimide (cetyltrimethylammonium bromide) is the selective agent. Cetrimide acts as a quaternary ammonium cationic detergent causing nitrogen and phosphorous to be released from bacterial cells other than <i>P. aeruginosa</i> . Agar is the solidifying agent. Cetrimide agar base is supplement with 1% Glycerol as a source of carbon.					
(I) QC Tests					
pH:		7.2 ± 0.2			
Color:		Light Amber coloured medium			
Appearance:		Sterile Cetrimide Agar in 85mm disposable plates.			
(II) Sterility test					
Passes release criteria					
(III) Q.C. Test Microbiological					
Cultural response was observed after an incubation at 30-35°C for specified time. Recovery rate is considered as 100% for bacteria growth on Soyabean Casein Digest Agar.					
MICROORGANISM (ATCC)	INOCULUM (CFU)	GROWTH	RECOVERY	PIGMENT	INCUBATION TEMP
<i>Pseudomonas aeruginosa</i> (27853)	50-100	Luxuriant	≥50 %	yellow green	18 -24 hrs.
<i>Pseudomonas aeruginosa</i> (9027) Luxuriant	50-100	Luxuriant	≥50 %	yellow green	≤18 hrs.
<i>Pseudomonas aeruginosa</i> (25668)	50-100	Luxuriant	≥50 %	yellow green	18 -24 hrs.
<i>Stenotrophomonas maltophilia</i> (13637)	≥10 ³	Inhibited	0%	-	≥72 hrs.
<i>Staphylococcus aureus</i> (25923)	≥10 ³	Inhibited	0%	-	≥72 hrs.
<i>Escherichia coli</i> (25922)	≥10 ³	Inhibited	0%	-	≥72 hrs.
<i>Escherichia coli</i> (8739)	≥10 ³	Inhibited	0%	-	≥72 hrs.
<i>Escherichia coli</i> (NCTC9002)	≥10 ³	Inhibited	0%	-	≥72 hrs.
<i>Staphylococcus aureus</i> (6538)	≥10 ³	Inhibited	0%	-	≥72 hrs.
<i>Staphylococcus aureus</i> (25923)	≥10 ³	Inhibited	0%	-	≥72 hrs.
<i>Salmonella Typhimurium</i> (14028)	≥10 ³	Inhibited	0%	-	≥72 hrs.

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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 selective isolation of <i>Pseudomonas aeruginosa</i> from clinical specimens.
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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