

**TECHNICAL SHEET**

<b>B138</b>	<b>CERTRIMIDE AGAR BASE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Pancreatic Digest of Gelatin		20.0				
Magnesium Chloride		1.4				
Potassium Sulphate		10.0				
Cetrimide		0.3				
Agar		13.60				
Final pH (at 25°C) : 7.2 ± 0.2						
<b>Directions :</b>						
Suspend 45.30 grams in 1000 ml distilled water. Boil to dissolve the medium completely. Add 10 ml of glycerol heat with frequent agitation & boil for 1 minute. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
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.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Opalescent gel with slight precipitate				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 24-48 hrs at 35- 37°C.						
MICROORGANISM (ATCC )		GROWTH				
Pseudomonas aeruginosa (27853)		Luxuriant				
Pseudomonas maltophilia (13637)		Inhibited				
Staphylococcus aureus (25923)		Inhibited				
Escherichia coli (25922)		Inhibited				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<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 selective isolation of <i>Pseudomonas aeruginosa</i> from clinical specimens.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
<b>Packing :</b>		500 gm bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B138</b>	45.30g/l		11.03L	7.2 ± 0.2	glycerol	121°C / 15 minutes

Refer disclaimer Overleaf

**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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