

TECHNICAL SHEET

B976	CETRIMIDE BROTH BASE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue 20.00						
Potassium sulphate, anhydrous 10.00						
Magnesium chloride, anhydrous 1.40						
Cetrimide 0.50						
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 31.9 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add 25ml filter sterilized ethanol. Mix well before dispensing.						
Principle :						
Cetyltrimethyl ammonium bromide (Cetrimide) is a quaternary ammonium compound which inhibits bacteria other than Pseudomonas aeruginosa. The production of pyocyanin, a blue water soluble pigment is stimulated by magnesium chloride and potassium sulphate. Peptic digest and beef extract provide necessary nutrients.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light amber to yellow				
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24-48 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Pseudomonas aeruginosa (27853)		Luxuriant				
Pseudomonas maltophilia (13637)		Inhibited				
Escherichia coli (25922)		Inhibited				
Precautions :		1. For Laboratory Use.				
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
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 cultivation of Pseudomonas aeruginosa from water samples using membrane filter technique.				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B976	31.9g/l		15.67L	7.2 ± 0.2	filter sterilized ethanol	121°C / 15 minutes

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 BIOMARK LABORATORIES publications.

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