## **BIOMARK Laboratories-INDIA**

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## **TECHNICAL SHEET**

BH138		CETRIMIDE AGAR BASE							
Formula									
Ingredients :	gms/lit.								
Pancreatic Digest of Gelatin 20.0									
Magnesium Chloride 1.4									
Potassium Sulphate	otassium Sulphate 10.0								
Cetrimide	0.3								
Agar	13.60								
Final pH (at 25°C) : $7.2 + 0.2$									
Directions :									
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 i.e. validated cycle.									
Cool to 45-50°C. Mix well and pour into sterile Petri plates.									
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 pvocvanin and fluorescein. Cetrimide (cetvltrimethylammonium 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 P. aeruginosa. Agar is the solidifying agent Cetrimide agar base is supplement with									
1% Glycerol as a so	ource of	carbon.							
OC Tests – (I)Dehydrated Medium									
	Colour :		Cream to yellow						
	Appear	ance :	Homogeneous Free Flowing powder						
(II)Rehvdrated med	ium		81						
( ) · <b>)</b> · · · · · · · ·	pH (pos	t autoclaving/heating) :	$7.2 \pm 0.2$						
	Colour	(post autoclaving/heating):	light amber						
	Clarity	(post autoclaving/heating):	Onalescent gel with slight precipitate						
(III)O.C. Test Mic	robiolo	gical							
	Cultura	l characteristics observed after 24-4	8 hrs at 35-37°C						
	MICROORGANISM (ATCC) GROWTH								
	Pseudo	monas aeruginosa $(27853)$	L uxuriant						
	Pseudo	monas aeruginosa	I uxuriant						
	Proteus	mirabilis ATCC 29906	Inhibited						
	Salmor	alla Typhimurium ATCC 14028	Inhibited						
	Stophy	lococcus aurous (25023)	Inhibited						
	Eschor	jobia opli (25022)	Inhibited						
Dresoutions .	1 Eor	Laboratory Lice	minoited						
r recautions :	$\frac{1. \text{ FOI}}{2 \text{ Foll}}$	Laboratory Use.	and uras in handling and disposing of infactious materials						
Timitationa .	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.								
<b>Limitations</b> : 1. Individual organisms differ in their growth requirement and may show variable g									
	2. I his medium is a selective medium; some strains may show poor growth as cetrimide is highly toxic								
	2	UXIC.   2   From the orthogonal dependence of the state of the sta							
I.I.a.	J. For cal	5. Further biochemical tests must be carried out for complete identification.							
Use :	For selective isolation of Pseudomonas aeruginosa from pharmaceutical products in accordance to microbial limit testing by hormonized system of ICU (USD/DD/DD/D).								
<u> </u>	Inicrootar minit testing by narmonized system of ICH (USP/BP/EP/JP).								
Storage :	Denyarated medium- below 30° C Prepared mediums- Between 2 to 8°C.								
Packing :	jou gm bottle								

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Product profile:	Reconstitution	Quantity on	pH (25°C)	Supplement	Sterilization
		Preparation (500g)			
BH138	45.30 g/l	11.03 L	$7.2 \pm 0.2$	10 ml	121 <sup>°</sup> C/15min.
				glycerol	

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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