BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B999	**CRAIG'S MEDIUM**
Formula	
Ingredients :	**gms/lit.**
Casein acid hydrolysate	30.00
Yeast extract	4.00
Dipotassium phosphate	0.50
Final pH (at 25°C) : 7.2 ± 0.2	
Directions :	
Suspend 34.5 gms in 1000 ml. distilled water. Heat if necessary to ensure complete solution. Dispense and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Aseptically add 2ml of filter sterilized 20% glucose solution per 100 ml medium.	
Principle :	
The medium contents like casein acid hydrolysate and yeast extract provide the essential nitrogenous nutrients and B-vitamins to the growing Vibrios. Dextrose is the fermentable carbohydrate for the Vibrios. Dipotassium phosphate helps in maintaining buffering conditions in the medium. Inoculate test cultures from TN Agar slants to tubes of CAYE Broth and incubate overnight at 30° ± 2°C which is further used for immunological testing of enterotoxigenicity.	
QC Tests – (I)Dehydrated Medium	
Colour :	Beige
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.2 ± 0.2
Colour (post autoclaving/heating) :	Amber
Clarity (post autoclaving/heating) :	Clear
(III)Q.C. Test Microbiological	
Cultural characteristics observed after 18 –24 hrs. at 30-32°C.	

MICROORGANISM (ATCC)	GROWTH
Vibrio cholerae (15748)	luxuriant

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 :	**B999:** For cultivation of Vibrio cholerae to determine its enterotoxigenicity.
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
B999	34.5g/l	14.49L	7.2 ± 0.2	filter sterilized 20% glucose solution	121^0C / 15 minutes