

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B397	ALGAE CULTURE BROTH					
Formula						
Ingredients :		gms/lit.				
Sodium nitrate		1.00				
Dipotassium phosphate		0.25				
Magnesium sulphate		0.513				
Ammonium chloride		0.05				
Calcium chloride		0.058				
Ferric chloride		0.003				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 1.87 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
The medium provides all necessary nutrients for good growth of Algae but does not provide for other than minimal growth of bacteria and fungi. It is used to prepare the inoculum for the bioassay of algicidal chemicals.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		White to off white				
Clarity (post autoclaving/heating) :		Slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed under suitable light source after an incubation at 20-25°C within 1 week.						
MICROORGANISM (ATCC)		GROWTH				
Chlorella pyrenoidosa (50476)		Good - 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 :		For cultivation of algae from soil, water and sewage.				
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
B397	1.87 g/l	267.37 L	7.0±0.2	None	121°C/15 min.	