

B983	CHLORELLA BROTH WITHOUT DEXTROSE AND CITRATE				
Formula					
Ingredients :					
	gms/lit.				
Cupric sulphate	0.0000078				
Sodium molybdate	0.00005				
Zinc sulphate	0.00022				
Boric acid	0.00028				
Manganese sulphate	0.0014				
Ferrous sulphate	0.0015				
Potassium sulphate	0.217				
Magnesium sulphate	2.40				
Monopotassium phosphate	2.45				
Potassium nitrate	2.50				
Final pH (at 25°C) : 4.5 ± 0.2					
Directions :					
Suspend 7.6 gms. in 900 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Aseptically add 100 ml of separately sterilized solution containing 10 gms. of dextrose and 32 mg of potassium citrate. Mix well and dispense as desired.					
Principle :					
The ingredients in this medium provides the essential nutrients for the rapid growth of Chlorella species. Chlorella are photosynthetic green algae for which light is must, so the inoculated tubes/ flasks are incubated in light at 25 - 27°C.					
QC Tests - (I)Dehydrated Medium					
	Colour :	Cream			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	4.5 ± 0.2			
	Colour (post autoclaving/heating) :	Amber			
	Clarity (post autoclaving/heating) :	Slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after a week at 25-27°C.					
	MICROORGANISM (ATCC)	GROWTH			
	Chlorella vulgaris (9765)	Luxuriant			
	Euglena gracilis (12716)	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 Chlorella species.				
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
B983	7.6g/l	65.78L	4.5 ± 0.2	Sterilized solution containing 10 gms. of dextrose and 32 mg of potassium citrate	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 BIOMARKLABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.