

**TECHNICAL SHEET**

<b>B982</b>	<b>CHLORELLA BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
		<b>gms/lit.</b>			
Cupric sulphate	0.000008				
Sodium molybdate	0.00005				
Zinc sulphate	0.00022				
Boric acid	0.00028				
Manganese sulphate	0.0014				
Ferrous sulphate	0.0015				
Potassium citrate	0.032				
Potassium sulphate	0.217				
Magnesium sulphate		2.40			
Monopotassium phosphate		2.45			
Potassium nitrate		2.50			
Dextrose		10.00			
Final pH (at 25°C) : 4.5 ± 0.2					
<b>Directions :</b>					
Suspend 17.6 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Distribute as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
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.					
<b>QC Tests – (I) Dehydrated Medium</b>					
	Colour :	White to cream			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
	pH (post autoclaving/heating) :	4.5 ± 0.2			
	Colour (post autoclaving/heating) :	Colourless			
	Clarity (post autoclaving/heating) :	Clear solution in tubes			
<b>(III) Q.C. Test Microbiological</b>					
	Cultural characteristics observed after a week at 25-27°C in presence of light.				
	MICROORGANISM (ATCC )	GROWTH			
	Chlorella vulgaris (9765)	good-luxuriant			
	Euglena gracilis (12716)	good-luxuriant			
<b>Precautions :</b>					
	1. For Laboratory Use.				
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>					
	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>					
	It is used for cultivation and enumeration of Chlorella species.				
<b>Storage :</b>					
	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>					
	500 gm bottle				
<b>Product profile:</b>					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B982</b>	17.6g/l	28.40.78L	4.5 ± 0.2	None	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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