

B981	CHLORELLA AGAR				
Formula					
Ingredients :					
	gms/lit.				
Cupric sulphate	0.000078				
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			
Agar		17.00			
Final pH (at 25°C) : 4.5 ± 0.2					
Directions :					
Suspend 34.6 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. 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 :	White to 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) :	clear to slightly opalescent			
(III) Q.C. Test Microbiological					
	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			
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 :					
	It is used for cultivation and maintenance 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
B981	34.6g/l	14.45 L	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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