

B1000	CYANOPHYCEAN AGAR					
Formula						
Ingredient:		gms/lit.				
Potassium nitrate		5.00				
Dipotassium phosphate		0.20				
Magnesium sulphate		0.10				
Agar		15.00				
Final pH (at 25°C): Self						
Directions:						
Suspend 20.3 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 3 minutes. Cool to 45°C and aseptically add one drop of 1% separately autoclaved solution of ferrous ammonium citrate to 100 ml sterile medium. Mix well and pour into sterile Petri plates.						
Principle:						
Potassium is required for maintenance of maximum growth rate of blue green algae. Nitrate serves as nitrogen source. Dipotassium phosphate buffers the media. Magnesium sulphate is a source of divalent cations.						
QC Tests – (I) Dehydrated Medium						
	Colour:	White to cream				
	Appearance:	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	pH (post autoclaving/heating) :	Self				
	Colour (post autoclaving/heating):	Colourless				
	Clarity (post autoclaving/heating):	Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 –48 hrs. at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH				
	Anabenacylindrica	luxuriant				
	Anacystisnidulans(27344)	luxuriant				
	Plectonemaboryanum (18200)	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 the isolation and cultivation of Blue green Algae.				
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
B1000		20.3 g/l	24.63 L	Self	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 BIOMARKLABORATORIES publications.

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