

B989	CHU'S MEDIUM NO.10				
Formula					
Ingredient:	mg/lit.				
Calcium nitrate	40.00				
Magnesium sulphate	25.00				
Dipotassium phosphate	5.00				
Sodium carbonate	20.00				
Sodium silicate	25.00				
Iron Chloride	8.00				
Final pH (at 25°C): Self					
Directions:					
Suspend 123 mg in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.					
Principle:					
Calcium nitrate serves as inorganic nitrogen source and other inorganic salts supply the necessary growth requirements.					
QC Tests - (I) Dehydrated Medium					
Colour:	White to light yellow				
Appearance:	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	Self				
Colour (post autoclaving/heating):	Colourless				
Clarity (post autoclaving/heating):	Clear solution				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 10-15 days at 25-30°C.					
MICROORGANISM (ATCC)	GROWTH				
Anabenacylindrica	good				
Anacystisnidulans(27344)	good				
Plectonemaboryanum (18200)	good				
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 culturing 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
B989	0.123g/l	4065.04L	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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