

TECHNICAL SHEET

B660	PRINGSHEIMS MEDIUM				
Formula					
Ingredients :		gms/lit.			
Potassium nitrate		0.20			
Magnesium sulphate		0.01			
Ammonium hydrogen phosphate		0.02			
Calcium chloride		0.005			
Iron (III) chloride		0.0005			
Final pH (at 25°C) :		Self			
Directions :					
Suspend 0.24 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Potassium nitrate and ammonium hydrogen phosphate in the medium provide nitrogen source. Ferric chloride provides an iron source to blue green algae. Magnesium sulphate and the chloride salts are sources of ions that simulate metabolism. The flasks or bottles are kept for a few weeks near a source of light.					
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 solution over a white precipitate			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 25-27°C for 1 week.					
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 recommended for the 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 (100g)	pH (25°C)	Supplement	Sterilization
B660	0.24 g/l	416.66 L	Self	Nil	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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