

TECHNICAL SHEET

B650	NORRIS GLUCOSE NITROGEN FREE MEDIUM				
Formula					
Ingredients :					
	gms/lit.				
Glucose	10.00				
Dipotassium phosphate	1.00				
Magnesium sulphate	0.20				
Calcium carbonate	1.00				
Sodium chloride	0.20				
Sodium molybdate	0.005				
Ferrous sulphate	0.10				
Final pH (at 25°C)	7.0 ± 0.2				
Directions :					
Suspend 12.5 grams in 1000 ml distilled water. Heat just to boiling. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.					
Principle :					
The medium contains glucose, which serves as the carbon source. Sodium molybdate in the medium increases the fixation of nitrogen. Various salts in the medium serve as buffer as well as essential ions to the chemoheterotrophic bacteria.					
QC Tests – (I) Dehydrated Medium					
Colour :	Off white to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.0 ± 0.2				
Colour (post autoclaving/heating) :	Clear to slightly opalescent solution with slight precipitate.				
Clarity (post autoclaving/heating) :					
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 48 – 72 hrs at 25 – 30°C.					
MICROORGANISM (ATCC)	GROWTH				
Alternaria solanii (2101)	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 cultivation of chemoheterotrophic bacteria that can fix atmospheric nitrogen.				
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
B650	12.50 g/l	40.00L	7.0 ± 0.2	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 BIOMARK LABORATORIES publications.

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