

TECHNICAL SHEET

B1141	BACILLUS MEDIUM					
Formula						
Ingredients:		gms/litre				
L-Glutamic acid		4.00				
Citric acid		2.00				
Dipotassium hydrogen phosphate		0.50				
Ferric ammonium citrate		0.50				
Magnesium sulphate		0.50				
Final pH (at 25°C): 7.4± 0.2						
Directions:						
Suspend 7.5 grams in 1000 ml of distilled water containing 20 grams of glycerol. Heat if necessary to dissolve the medium completely. Dispense in tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle:						
Bacillus medium contains glycerol, which provides carbon and energy for the growth of bacteria. Glutamic acid and ferric ammonium citrate act as source of nitrogen. Dipotassium phosphate and citric acid provide necessary nutrients along with buffering action.						
QC Tests - (I) Dehydrated Medium						
Colour:		White to cream				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating):		Yellow				
Clarity (post autoclaving/heating):		clear solution may contain a slight precipitate.				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18-24 hours at 35-37°C.						
ORGANISM (ATCC)		GROWTH				
Bacillus cereus(10876)		good-luxuriant				
Bacillus licheniformis (9945a)		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 of Bacillus licheniformis .				
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
B1141	7.50g/l		66.66L	7.4 ± 0.2	Glycerol	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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