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TECHNICAL SHEET

B606	MAINTENANCE MEDIUM FOR B. SUBTILIS ATCC 6633					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		6.00				
Casein enzymic hydrolysate		4.00				
Yeast extract		3.00				
Meatextract B#		1.50				
Dextrose		1.00				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 6.6 ± 0.2						
Directions :						
Suspend 30.5 gms in 1000ml distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
Principle :						
Peptic digest of animal tissue, casein enzymic hydrolysate, Meat extract B and yeast extract supply necessary nutrients like nitrogenous and carbon source compounds, minerals, vitamins and trace ingredients for the growth of the bacteria. Dextrose is the energy source for bacterial replication.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.6 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
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				
Bacillus subtilis (6633)		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 :		For maintenance of Bacillus subtilis ATCC 6633 used as test organism for microbiological assay of antibiotics.				
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
B606		30.5g/l	16.393L	6.6 ± 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 BIOMARKLABORATORIES publications. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

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