

B461	PEIZER TB MEDIUM BASE					
Formula						
Ingredients :		gms/lit.				
Casein acid hydrolysate					5.00	
Meat extract B#					3.00	
Sodium glutamate					3.00	
Potato starch					15.00	
Ferric ammonium citrate					0.10	
Magnesium sulphate					0.015	
Dipotassium hydrogen phosphate					3.50	
Citric acid					0.10	
Agar					15.00	
#- Equivalent to Beef extract						
Final pH (at 25°C) : Self						
Directions :						
Suspend 44.72 gms. in 1000ml. distilled water. Mix well and add 40 ml glycerol if desired. Sterilize by autoclaving at 12 lbs pressure (118°C) for 15 minutes. Cool to around 55°C and aseptically add egg yolk emulsion (prepared from 10 sterile egg yolks and 25 ml sterile saline, to which 1 ml of sterile 20% dextrose solution and 13 ml of 1% malachite green solution is added). Mix thoroughly and dispense in tubes, then allow it to solidify as slants.						
Principle :						
Meat extract B and casein enzymic hydrolysate are the rich sources of nitrogen and some additional growth factors for the growth of tubercle bacilli. Egg yolk emulsion provide fatty acid and proteins required for the metabolism of Mycobacteria. Sodium glutamate and starch serves as the amino acid and carbohydrate source respectively. Citric acid holds certain inorganic cations in solution. Malachite green inhibits certain contaminating bacteria.						
QC Tests – (I) Dehydrated Medium						
	Colour :				Light tan	
	Appearance :				Homogeneous Free Flowing powder	
(II) Rehydrated medium						
	pH (post autoclaving/heating) :				Self	
	Colour (post autoclaving/heating) :				Pale green	
	Clarity (post autoclaving/heating) :				Opaque	
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 2-4 weeks at 35-37°C.						
	MICROORGANISM (ATCC)		GROWTH			
	Mycobacterium tuberculosis (25618)		Luxuriant			
	Mycobacterium fortuitum (6841)		Luxuriant			
	Mycobacterium kansasii (12478)		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 cultivation of Mycobacterium tuberculosis.				
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
B461		44.72g/l	11.180L	Self	egg yolk emulsion and sterile saline, to which 1 ml of sterile 20% dextrose solution and 13 ml of 1% malachite green solution is added).	118°C / 15 minutes

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TECHNICAL SHEET

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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