

TECHNICAL SHEET

B676	PROTEOSE AGAR					
Formula						
Ingredients :			gms/lit.			
Proteose peptone			15.00			
Yeast extract			7.50			
Casein acid hydrolysate			5.00			
Starch, soluble			1.00			
Dipotassium hydrogen phosphate			5.00			
Ammonium sulphate			1.50			
Agar			15.00			
Final pH (at 25°C) : 9.0 ± 0.2						
Directions :						
Suspend 50 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in 10 ml amounts into test tubes of 16 x 150 mm size. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Incline while cooling to obtain a long slant.						
Principle :						
It is nutritious due to the incorporation of nitrogenous compounds such as proteose peptone, yeast extract and casein acid hydrolysate. Dipotassium phosphate and ammonium sulphate provide ions and also buffer the medium. Starch is a carbohydrate source and can also neutralize the toxic fatty acids present in the agar medium if any.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		9.0 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs. at 35 - 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Vibrio cholerae (15748)		Luxuriant				
Vibrio parahaemolyticus (17802)		Luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		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 Vibrio species from foods in accordance with APHA.				
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
B676		50.0 g/l	10.00 L	9.0 ± 0.2	Nil	121°C / 15 minutes

Disclaimer:

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