

B752		MAINTENANCE (SCY) MEDIUM			
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		0.91			
Yeast extract		0.25			
Sucrose		1.00			
Sodium chloride		0.05			
Dipotassium hydrogen phosphate		0.02			
Potassium iodide		0.03			
Thiamine		0.0004			
Agar		10.00			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 12.26 gms. in 1000ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Aseptically add filter sterilized solution of Cyanocobalamin to a final concentration of 0.01 mg/litre.					
Principle :					
Casein enzymic hydrolysate and yeast extract provide all essential nutrients. Sucrose is the carbohydrate. Sodium chloride maintains osmotic balance. Dipotassium hydrogen phosphate act a buffering agent. Agar is the solidifying agent.					
QC Tests – (I) Dehydrated Medium					
Colour :		Cream			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.3 ± 0.2			
Colour (post autoclaving/heating) :		Cream			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 48 –72 hrs. at 30°C.					
MICROORGANISM (ATCC)		GROWTH			
Sphaerotilus discophorous		Luxuriant			
Sphaerotilus natans (13338)		Luxuriant			
Thiobacillus thioparas (8158)		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 the maintenance of iron bacteria.					
Storage :					
Dehydrated medium- below 25°C Prepared medium– Between 2 to 8°C.					
Packing :					
500 gm bottle					
Product profile:					
Reconstitution		Quantity on		pH (25°C)	Supplement
		Preparation (500g)			Sterilization
B752		12.26g/l		40.783L	7.3 ± 0.2
				Cyanocobalamin	121 ⁰ C / 15 minutes

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