

B687	MODIFIED CPLM MEDIUM BASE					
Formula						
Ingredients :			gms/lit.			
Peptic digest of animal tissue			32.00			
Liver digest			20.00			
Maltose			1.60			
L-Cystine hydrochloride			2.4			
Ringer's Solution 1/4th strength			1000.0(QS)			
Final pH (at 25°C) :			6.0 ± 0.2			
Directions :						
Suspend 56 grams in 900 ml distilled water. Heat if necessary to dissolve the medium completely. Distribute in bottles in 90 ml amounts and sterilize by autoclaving at 10 lbs pressure (115°C) for 10 minutes. Cool to 50°C and aseptically add the following (per 90 ml of medium).						
<ol style="list-style-type: none"> 1. Sterile inactivated Horse Serum (10ml) 2. Sterile Penicillin Streptomycin Solution (1ml) 3. Sterile Nystatin Solution(1ml) <p style="margin-left: 40px;">Mix thoroughly and distribute in suitable aliquots with sterile precautions.</p> <ol style="list-style-type: none"> 4. Penicillin Streptomycin solution- <ul style="list-style-type: none"> Penicillin 1 x 10⁵units Streptomycin 0.1 g Sterile distilled water 10 ml 5. Nystatin Solution <ul style="list-style-type: none"> Nystatin 5 x 10 units Sterile distilled water 10 ml 						
The addition of antibiotics is not necessary for routine subcultures but is essential for clinical diagnostic cultures and for isolating axenic cultures						
Principle :						
Peptic digest of animal tissue and liver digest in the medium provide nitrogenous compounds and other essential nutrients. Lcystine hydrochloride acts as a reducing agent. Cystine is not essential when cultures are incubated anaerobically but it assists the maintenance of anaerobiosis. The antibiotics inhibit bacterial growth and supports growth from a single protozoon under strictly anaerobic conditions.						
QC Tests – (I)Dehydrated Medium						
Colour :			Cream to yellow			
Appearance :			Homogeneous Free Flowing powder			
(II)Rehydrated medium						
pH (post autoclaving/heating) :			6.0 ± 0.2			
Colour (post autoclaving/heating) :			Brownish yellow			
Clarity (post autoclaving/heating) :			clear solution without any precipitate			
(III)Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for upto 4 days.						
MICROORGANISM (ATCC)			GROWTH			
Trichomonas vaginalis (30001)			good-luxuriant			
Precautions :		<ol style="list-style-type: none"> 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 recommended for cultivation of Trichomonas species with addition of horse serum and 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
B687		56.0 g/l	8.928 L	6.0 ± 0.2	Horse Serum, Penicillin Streptomycin, Nystatin	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.

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