

TECHNICAL SHEET

B1027	ENTAMOEBA MEDIUM				
Formula					
Ingredients :		gms/lit.			
Liver infusion from		272.00			
Proteose peptone		5.50			
Sodium β -glycerophosphate 3.00					
Sodium chloride		2.70			
Agar		11.00			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 33 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Distribute in tubes and sterilize by autoclaving at 15 lbspressure (121°C) for 15 minutes. Allow tubes to solidify in a slanted position. Cover about half of the slant with fresh sterile horse serum-saline mixture (1:6) and add a 5 mm loopful of rice powder which has been sterilized in an oven at 160°C for one hour. SCORCHING OF THE MEDIUM SHOULD BE PREVENTED.					
Principle :					
It is highly specific for Entamoebahistolytica. Endolimax nana, Dientamoebafragilis and E. coli fail to grow on this medium, while Entamoebahistolytica grow abundantly. Other intestinal amoebae do not grow well on this medium as compared to Entamoebahistolytica.					
QC Tests – (I) Dehydrated Medium					
Colour :		Cream to brownish yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Dark amber			
Clarity (post autoclaving/heating) :		Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 68-72 hrs. at 25- 30°C.					
MICROORGANISM (ATCC)		GROWTH			
Entamoeba histolytica		Luxuriant			
Entamoeba invadens		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 Entamoeba histolytica.					
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
B1027	33g/l	15.15L	7.0 ± 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 BIOMARK LABORATORIES publications.

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