

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B076	TRIBUTYRIN AGAR BASE WITHOUT TRIBUTYRIN				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		5.00			
Yeast extract		3.00			
Agar		15.00			
Final pH (at 25°C) : 7.5 ± 0.2					
Directions :					
Suspend 23 gms. in 990ml. distilled water. Add 10 ml. of Tributyrin (Glycerol tributyrate). Mix and heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Shake the flask and individual plate so as to maintain uniform turbidity.					
Principle :					
Peptic digest of animal tissue and yeast extract provide nutrients to the organisms. Tributyrin degradatin by the microorganisms is indicated by clear zones surrounding the lipolytic colonies in the otherwise turbid culture medium. The medium should have uniformly turbid emulsion for the effectiveness of the culture medium. Agar is the solidifying agent.					
QC Tests – (I) Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.5 ± 0.2			
Colour (post autoclaving/heating) :		Cream to light yellow			
Clarity (post autoclaving/heating) :		Opalescent gel w/oil droplets			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24 –48 hrs at 38° C, in an appropriate atmosphere.					
MICROORGANISM (ATCC)		GROWTH		LIPASE ACTIVITY	
Bacillus subtilis (6633)		Luxuriant		+	
Escherichia coli (25922)		Luxuriant		-	
Staphylococcus aureus (25923)		Luxuriant		+	
Clostridium sporogenes (11437)		Luxuriant		+	
Clostridium perfringens (12924)		Luxuriant		-	
Key : + = clear zone around colony - = absense of zone					
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 detection of lipolytic microorganisms.			
Storage :		Dehydrated medium- below 30°C Prepared medium–Between 2 to 8°C.			
Packing :		500 gm. bottle			
Product profile:		Reconstitution		Quantity on Preparation (500g)	
B076		23g/l		21.739L	
				pH (25°C)	
				7.5 ± 0.2	
				Supplement	
				Tributyrin (Glycerol tributyrate)	
				Sterilization	
				121°C /15min.	

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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