

TECHNICAL SHEET

B1073	ISLAM'S MEDIUM BASE FOR GROUP B STREPTOCOCCI				
Formula					
Ingredients :		gms/lit.			
Proteose peptone		23.00			
Starch, soluble	5.00				
Monosodium phosphate	1.482				
Disodium phosphate		5.749			
Agar		10.00			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 45.23 gms in 950ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 10 lbs pressure (115°C) for 10 minutes. Cool to 50°C and aseptically add 50 ml sterile inactivated horse serum (BF021, to be inactivated by heating at 56°C for 30 minutes.)					
Principle :					
Islam formulated this medium to exploit the ability of most group B Streptococci to produce orange / red pigmented colonies when incubated under anaerobic conditions. Lancefield first noted carotenoid pigmentation characteristic of group B Streptococci when incubated under anaerobic conditions. Pigmentation can be enhanced by adding Trimethoprim / Sulphonamides. The medium must have the correct pH to ensure good pigmentation but some strains of Group B Streptococci do not produce pigmented colonies.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.4 ± 0.2			
	Colour (post autoclaving/heating) :	Yellow			
	Clarity (post autoclaving/heating) :	Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24-48 hrs. at 35-37°C.					
	MICROORGANISM (ATCC)	GROWTH	PIGMENTATION		
	Streptococcus agalactiae (13813)	Luxuriant	Orange/red		
	Enterococcus faecalis (29212)	Luxuriant	-		
	Bacteroides fragilis (25285)	Fair to good	-		
	Key : - = no pigmentation.				
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 identification and cultivation of group B Streptococci from clinical specimens.				
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
B1073	45.23 g/l	11.05 L	7.4± 0.2	Inactivated horse serum	121°C/15 min.

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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