BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1403 MULLER KAUFFMAN TETRATHIONATE BROTH BASE						
Formula						
Ingredients:		gms	gms/lit.			
, 3)			
Casein enzymic hy	/drolysate	8.60				
			4.75			
			2.60			
			38.70			
, , , , ,			47.80			
			0.0095			
Final pH (at 25°C): 8.2 <u>+</u> 0.2						
Directions:						
Suspend 89.42 grams of dehydrated medium in 1000 ml distilled water. Heat the medium just to boiling. DO NOT AUTOCLAVE. Cool to 45-50°C and just before use aseptically add 20 ml of iodine solution (20 gram iodine and 25 gram potassium iodide in 100 ml sterile distilled water) along with rehydrated contents of 1 vial of MKTT Novobiocin Supplement (BF141). Mix well to disperse calcium carbonate uniformly before dispensing in sterile tubes.						
Principle:						
Casein enzymic hydrolysate and peptic digest of animal tissue as sources of carbon, nitrogen, vitamins and						
minerals. Ox bile and added brilliant green are selective agents, which inhibit gram-positive and other						
gram-negative organisms. Calcium carbonate is the buffer. Sodium chloride maintains osmotic equilibrium.						
Sodium thiosulphate is a source of sulfur.						
QC Tests - (I)Dehydrated Medium						
Colour :			Cream to greenish yellow			
Appearance :			Homogeneous Free Flowing powder			
		riomogenec	ous free floo	willig powder		
(II)Rehydrated medium pH (post autoclaving/heating) :			8.2 ± 0.2			
Colour (post autoclaving/heating) :			Pale green			
Clarity (post autoclaving/heating):			Opaque solution with heavy white precipitate			
(III)Q.C. Test Microbiological			Opaque solution with neavy write precipitate			
Cultural character solution and M (B039).	cteristics observe KTT Novobiocin				r 18-48 hours with add ultured on Soyabean (
MICROORGANISM (ATCC)			RECOVERY			
Salmonella typhimurium (14028)			Excellent			
Salmonella Enteritidis (13076)			Excellent			
Salmonella Paratyphi A (9150)			Excellent			
Salmonella Paratyphi B (8759)			Excellent			
Salmonella Typhi (6539)			Inhibited			
Escherichia coli (25922)			none-poor			
Proteus vulgaris (13315)			none-poor			
Shigella flexneri (12022)			Inhibited			
	1. For Laborato	ry 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 improved enrichment and isolation of 9 6579:2002.						by ISO
Storage :	Dehydrated me	dium- be	low 30°C P	repared me	dium – at 2-8°C	
Packing :	500 gm. bottle		•			
Product profile: Reconstitution Quar			on ion (500g)	pH (25°C)	Supplement	Sterilization
B1403	89.42 g/l		.59 L	8.2 ± 0.2	MKTT Novobiocir Supplement (BF141)	DO NOT AUTOCLAVE

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