## BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B602 I MU	G EC BROTH,M		-D				
Formula							
Ingredients : gms/lit.							
Casein enzymic hydrolysate 40.00							
Salicin 1.00							
Triton X-100 1.00							
4-Methylumbelliferyl -D-Glucuronide (MUG) 0.10							
Final pH (at 25°C			00) 0	.10			
Directions :	) · · · · · · · · · · · · · · · · · · ·						
	ms. in 1000ml	distilled	l water. Boil	to dissolve	the medium com	pletely. Sterilize by	
autoclaving at 15							
Principle :							
Casein enzymic l	nydrolysate pro	ovides @	essential nut	rients. Lact	ose is the fermer	ntable carbohydrate.	
						system to control the	
pH in the presence of fermentative action. The bile salts inhibit gram -positive bacteria especially							
						nin 4 hours but some	
weakly -glucuronidase- positive strains require overnight incubation.							
QC Tests - (I)Deh							
	Colour :			Yellow			
Appearance :			Homoger	Homogeneous Free Flowing powder			
(II)Rehydrated me							
pH (post autoclaving/heating) :			$6.9 \pm 0.2$				
Colour (post autoclaving/heating) :			Yellow	Yellow			
Clarity (post autoclaving/heating) :			Clear	Clear			
(III)Q.C. Test Microbiological							
	cteristics obser	ved afte	er 4 –24 hrs.				
MICROORGANISM (ATCC ) G			GROWTH	OWTH FLUORESCENCE			
Escherichia coli (25922)			uxuriant	(throughout the tube)			
			uxuriant		-		
			Good	-			
Shigella flexneri (12022)		Good	-				
Key: + = fluor	rescence at 366	nm					
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 the detection of E.coli in water and food samples by a fluorogenic procedure.						
Storage :	Dehydrated medium-below 30°C Prepared medium-Between 2 to 8°C.						
Packing :	500 gm bottle						
Product profile:			tyon ation (500g)	pH (25°C)	Supplement	Sterilization	
B602 I	42.1g/l		1.876L	$6.9 \pm 0.2$	NIL	121°C / 15 minutes	