BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B1222	MAC CONKEY		FDTUM					
Formula								
Ingredients : gms/lit.								
Peptic digest of animal tissue 20.00								
Lactose		10.00						
Bile Salts		5.00						
Sodium chloride								
Neutral red								
Agar								
Final pH (at 25°C) : 7.4 \pm 0.2								
Directions :								
Suspend 55.37 grams in 1000 ml distilled water. Heat to boiling with gentle swirling to dissolve the agar								
completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Avoid overheating. Cool								
to 45-50°C and pour into sterile petri plates. The surface of the medium should be dry when inoculated.								
Principle :								
Peptic digest of animal tissue provides amino acid and other growth factors.Lactose fermenting strains								
grow as red or pink and may be surrounded by a zone of acid precipitated bile. The red colour is due to								
production of acid from lactose, absorption of neutral red and a subsequent colour change of the dye								
when the pH of medium falls below 6.8. Lactose non-fermenting strains, such as Shigella and Salmonella								
are colourless and transparent and typically do not alter appearance of the medium.								
QC Tests - (I)De								
Colour :			Pinkish beige					
Appearance :			Homogeneous Free Flowing powder					
(II)Rehydrated								
pH (post auto	7.4 ± 0.2	7.4 ± 0.2						
				Ornage Reddish				
			Clear					
(III) Q.C. Test Microbiological								
Cultural characteristics observed after 18 – 24 hours at 35-37°C.								
MICROORGAN	ROWTH							
			xuriant					
			xuriant Pink to red w/ bile ppt					
			uxuriant		Colourless			
			uxuriant		Colourless			
			uxuriant		Colourless			
			xuriant Colourle					
			hibited					
			ir to good					
Salmonella Paratyphi A (9150)			xuriant		Colourless			
				Colourless				
Precautions :	ratyphi B (8759) Luxuriant Colourless 1. For Laboratory Use.							
2. Follow proper, established laboratory procedures in handling and disposing							uispositig of	
infectious materials.Limitations :1. Since the nutritional requirements of organisms vary, some strains may be								
							ns may be	
encountered that fail to grow or grow poorly on this medium. Use : For isolation and differentiation of lactose fermenting and lactose non-fermed enteric bacteria and also for isolation of faecal streptococci.							on-formenting	
							simenully	
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.							
Storage : Packing :	500 gm. bottle							
	Reconstitution Quantity on pH (25°C) Supplement Sterilization						Storilization	
Froduct profile:	Reconstitution	- /		рп	(25°C)	Supplement	Stermzation	
B1222	55 27~/		ion (500g)	7	+ ± 0.2	Nil	121°C / 15	
DIZZZ	55.37g/l	9	.03L	/.4	+ ± U.Z			
						1	minutes	