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

B244 MacCor	44 MacConkey Broth w/Neutral Red							
Formula		/						
		jms/lit.						
		20.00						
		10.00						
Bile Salts		5.00						
Sodium Chloride		5.00						
		0.075						
· · · · · ·	4 <u>+</u> 0.2							
Directions :								
Suspend 40.07 grams in completely. Distribute into pressure (121°C) for 15 m	tubes with in	vert	ed Durhams to	ubes. Sterilize				
<b>Principle:</b> Peptone provi carbohydrate source. Sodi action of these media is species of gram-positive b are differentiated by their lactose-fermenters is due t indicator dye when the pH fermenters and yellow in o which contains neutral red isolation as well as presur	attributed to acteria. Gram ability to ferm o production o of the media case of non-la d as an indica	main the -neo nent of ac falls ictos	tains the osmo presence of b gative bacteria lactose. The c id from lactose below 6.8. Th e-fermenters, is considered a	otic balance of ile salts, which usually grow colour change of and a subsequ he medium turr due to neutral as a standard	the cells. T are inhibito well on these of the mediur lent colour ch s pink in cas red. MacCor medium for	he selective bry to most e media and m shown by hange of the se of lactose hkey Broth , the primary		
and water.	d Modium							
QC Tests – (I)Dehydrated Medium Colour :			Pale yellow to pink					
Appearance :			Homogeneous Free Flowing powder					
(II)Rehydrated medium								
pH (post autoclaving/heating) :		7	7.4 ± 0.2					
Colour (post autoclaving/heating) :			Red					
Clarity (post autoclaving/heating) :		0	Clear					
(III) Q.C. Test Microbiological								
Cultural characteristics	observed afte	r an	incubation at 3	35-37°C for 18	-24 hours			
MICROORGANISM (ATC			DWTH	ACID	GAS			
Enterobacter aerogenes (13048)		Luxuriant		+	+			
		Luxuriant		+	+			
Salmonella cholerasuis (12011)		Fair to good						
Klebsiella pneumoniae (13883)		Luxuriant		+	+			
		Luxuriant				1		
Staphylococcus aureus	,	Inhi	ibited			1		
			none-poor +			1		
Precautions : 1. For Laboratory Use.   2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.								

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Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.								
	2. Although MacConkey media are selective primarily for gram – negative enteric bacilli, biochemical and, if indicated, serological testing using pure cultures are recommended								
	for complete identification. Consult appropriate references for further information.								
Use :	For selective enrichment and enumeration of coliforms.								
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.								
Packing :	500 gm. bottle								
Product profile:		Quantity on Preparation (500g)	рН (25°С)	Supplement	Sterilization				
B244	40.00g/L	12.5L	7.4 <u>+</u> 0.2	NIL	121ºC /15 min.				

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