

TECHNICAL SHEET

LM040	MacConkey broth purple			
Formula				
Ingredients	gms/lit.			
Pancreatic digest of gelatin	20.00			
Lactose monohydrate	10.00			
Dehydrated Ox Bile	5.00			
Bromo cresol purple	0.01			
Directions:				
Label the ready to use bottle (LM040). Inoculate the sample and incubate at specified temperature and time.				
Principle:				
Peptone provides amino acid and other growth factors. Lactose is a carbon energy source for gram – negative lactose – fermenting bacilli. Oxgall inhibits the growth of gram – positive organisms. Brom Cresol Purple is the indicator.				
(I) QC Tests				
	Color:	Purple		
	Appearance:	Sterile clear to slightly opalescent Macconkey broth purple in glass bottle.		
(II) Sterility test (After 48 hours)		Passes release criteria		
(III) Q.C. Test Microbiological				
	Cultural characteristics observed after incubation at 35-37°C for 18-48 hours.			
	MICROORGANISM (ATCC)	GROWTH	ACID	GAS
	Escherichia coli (25922)	Luxuriant	Positive, yellow colour	positive
	Escherichia coli (8739)	Luxuriant	Positive, yellow colour	positive
	Escherichia coli (NTCC9002)	Luxuriant	Positive, yellow colour	positive
	Salmonella cholerasuis (12011)	Fair to good	negative	negative
	Staphylococcus aureus (25923)	Inhibited	-	-
	Enterobacter aerogenes (13048)	Luxuriant	Positive, yellow colour	positive
Precautions :		1. In Vitro diagnostic use only.		
		2. Read the label before opening the container		
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:		MacConkey Broth purple is used for the selective identification of E. coli from pharmaceutical products in accordance with Indian Pharmacopoeia 2014		
Storage:		Store between 2-8 °C. Use before expiry date on the label.		
Packing:		5/10/50/100ml in Glass bottle.		

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 BIOMARKLABORATORIES publications.

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