

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B033	VIOLET RED BILE GLUCOSE AGAR W/ LACTOSE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of gelatin		7.00				
Yeast extract		3.00				
Sodium chloride		5.00				
Glucose monohydrate		10.00				
Bile salt mixture		1.50				
Lactose monohydrate		10.00				
Neutral red		0.03				
Crystal violet		0.002				
Agar		15.00				
Final pH (at 25°C) :		7.4 ± 0.2				
Directions :						
Suspend 51.53 grams in 1000ml distilled water. Boil to dissolve the medium completely. DO NOT AUTOCLAVE. Mix well pour into sterile petri plates.						
Principle :						
Violet red bile glucose agar contains peptone as a source of carbon nitrogen, vitamins and minerals. Yeast extract supplies B-complex vitamins which stimulate bacterial growth. Glucose is a carbohydrate. Bile salts and Crystal violet inhibit gram positive bacteria. Glucose fermenters produce pink- red colonies with red – purple halos in the presence of Neutral red, a pH indicator. Agar is a solidifying agent.						
QC Tests – (I)Dehydrated Medium						
Colour :		Pinkish beige to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Reddish purple				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH	COLOUR OF COLONY			
Enterobacter aerogenes (13048)		Good -Luxuriant	Pink – red			
Escherichia coli (25922)		Good -Luxuriant	Pink – red			
Salmonella enteritidis (13076)		Good -Luxuriant	Light pink			
Staphylococcus aureus (25923)		Inhibited	--			
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 detection and enumeration of Enterobacteriaceae.				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B033	51.53 g/l	9.70L	7.4 ± 0.2	NIL	DONOT AUTOCLAVE	