

<b>BH814</b>	<b>VIOLET RED BILE GLUCOSE AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Pancreatic digest of gelatin		7.00			
Yeast extract		3.00			
Sodium chloride		5.00			
Bile salt		1.50			
Glucose monohydrate		10.00			
Neutral red		0.03			
Crystal violet		0.002			
Agar		15.00			
Final pH (at 25°C) :		7.4 ± 0.2			
<b>Directions :</b>					
Suspend 40.62 grams (the equivalent weight of dehydrated medium per litre) in 1000 ml purified /distilled water. Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE. Cool to 45 - 50°C. Mix well and pour into sterile Petri plates.					
<b>Principle :</b>					
Violet red bile glucose agar contains pancreatic digest of gelatin 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.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	Pinkish beige to yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.4 ± 0.2			
	Colour (post autoclaving/heating) :	Reddish purple			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
<b>(III)Q.C. Test Microbiological</b>					
	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	--		
<b>Precautions :</b>	1. For Laboratory Use.				
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>	Recommended for detection and enumeration of Enterobacteriaceae from pharmaceutical products in accordance with the microbial limit testing by harmonized methodology of USP/EP/BP/JP/IP.				
<b>Storage :</b>	Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>BH814</b>	40.62 g/l	12.30 L	7.4 ± 0.2	Nil	DO NOT AUTOCLAVE

Refer disclaimer overleaf

**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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