

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<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 gms. in 1000ml. distilled water. Boil to dissolve the medium completely. DO NOT AUTOCLAVE. Mix well 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>					
For detection and enumeration of Enterobacteriaceae from pharmaceutical products in accordance to microbial limit testing by harmonized system of (USP/BP/EP/JP).					
<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	121°C/ 15 min.

Refer disclaimer overleaf

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**Disclaimer:**

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