

**TECHNICAL SHEET**

<b>SB010</b>	<b>Violet Red Bile Glucose Agar Without Lactose</b>		
<b>Formula</b>			
<b>Ingredients:</b>	<b>gms/lit.</b>		
Peptone	7.00		
Yeast extract	3.00		
Sodium chloride	5.00		
Bile salt mixture	1.50		
Glucose	10.00		
Neutral red	0.03		
Crystal violet	0.002		
Agar	12.00		
<b>Directions:</b>			
Violet Red Bile Glucose Agar without lactose, is a ready to use solid media in glass bottle. The medium is pre-sterilized; hence it does not need sterilization. Medium in the bottle can be melted either by using a pre-heated water bath or any other method. Slightly loosen the cap before melting. When complete melting of medium is observed dispense the medium as desired and allowed to solidify.			
<b>Principle:</b>			
Peptone and yeast extract serve as sources of carbon, nitrogen, vitamins and other essential growth nutrients. Glucose is the fermentable carbohydrate, utilization of which leads to the production of acids. Neutral red indicator detects the acidity so formed. Crystal violet and bile salts mixture help to inhibit the accompanying gram-positive and unrelated flora. Sodium chloride maintains the osmotic equilibrium. Agar is a solidifying agent. Glucose fermenting strains produce red colonies with pink-red halos in the presence of neutral red.			
<b>(I) QC Tests</b>			
pH:	7.4 ± 0.2		
Color:	Reddish purple colored medium.		
Appearance:	Sterile Violet Red Bile Glucose Agar in bottles.		
<b>(II) Sterility test</b>			
Passes release criteria			
<b>(III) Q.C. Test Microbiological</b>			
Cultural characteristics after melting the medium and pouring into sterile petri plates. The plates are inoculated with following test organisms and incubation at 35 -37°C for 18-24 hours.			
MICROORGANISM (ATCC)	INOCULUM (CFU)	GROWTH	COLOR OF COLONY
Escherichia coli 8739	50-100	luxuriant	pink-red with bile precipitate
Staphylococcus aureus 25923	> =10 <sup>3</sup>	inhibited	-
Salmonella Enteritidis 13076	50-100	good- luxuriant	Pink - red
Pseudomonas aeruginosa 9027	50-100	luxuriant	Pink - red
Escherichia coli NCTC 9002	50-100	good- luxuriant	pink-red with bile precipitate
Escherichia coli 25922	50-100	good- luxuriant	Pink - red
Enterobacter aerogenes 13048	50-100	good- luxuriant	Pink - red
Staphylococcus aureus 6538	> =10 <sup>3</sup>	inhibited	-

Refer disclaimer Overleaf

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<b>Precautions :</b>	1. In Vitro diagnostic use only. 2. Read the label before opening the container
<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 in raw food and clinical samples.
<b>Storage:</b>	Store between 15-25°C. Use before expiry date on the label.
<b>Packing:</b>	100ml/500ml of medium in sterile 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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