

TECHNICAL SHEET

PP033	Violet Red Bile Agar Plate	
Formula		
Ingredients:	gms/lit.	
Peptic digest of animal tissue	7.00	
Yeast extract	3.00	
Lactose	10.00	
Bile salt mixture	1.50	
Sodium chloride	5.00	
Neutral red	0.03	
Crystal violet	0.002	
Agar	15.00	
Final pH (at 25°C): 7.4± 0.2		
Directions:		
Label the ready to use plate (PP033).Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.		
Principle:		
Violet Red Bile Agar (VRBA) contains peptic digest of animal tissue to provide carbon and nitrogen sources for general growth requirements, Yeast extract supplies B – complex vitamins which stimulate bacterial growth. Bile salts and Crystal Violet inhibit most gram – positive microorganisms. Lactose is the carbohydrate source and Neutral red is the pH indicator, Agar is the solidifying agent.Selectivity of VRBA can be increased by incubation under anaerobic conditions and/ or at elevated temperature, i.e., equal to or above 42°C.		
(I) QC Tests		
pH:	7.4 ± 0.2	
Color:	Reddish purple colored medium.	
Appearance:	Sterile Violet Red Bile Agar in 85mm disposable plates.	
(II) Sterility test		
Passes release criteria		
(III) Q.C. Test Microbiological		
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.		
MICROORGANISM (ATCC)	GROWTH	COLOR OF COLONY
Enterobacter aerogenes13048	Good-luxuriant	Pink to red
Escherichia coli 25922	Good-luxuriant	Pinkish red with bile ppt
Staphylococcus aureus25923	Inhibited	-
S. serotype Enteritidis13076	Good-luxuriant	Colorless to orangish yellow

Refer disclaimer Overleaf

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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:	For selective isolation, detection and enumeration of coli-aerogenes bacteria in water, milk and other dairy, food products.
Storage:	Store between 20-30°C. Use before expiry date on the label.
Packing:	20/50 disposable plates.

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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