

TECHNICAL SHEET

B084	TETRATHIONATE BRILLIANT GREEN BILE BROTH					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		8.60				
Ox bile		8.00				
Sodium chloride		6.40				
Calcium carbonate		20.00				
Potassium tetrathionate		20.00				
Brilliant green		0.07				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 63.07 gms.in 1000 ml. distilled water. Heat just boiling. DO NOT AUTOCLAVE OR REHEAT. Dispense as desired.						
Principle :						
Peptic digest of animal tissue provide nitrogenous nutrients to the Salmonellae. Brilliant green and ox-bile inhibit both gram – positive as well as some selected gram – negative organisms. Potassium tetrathionate inhibits normal flora of faecal specimens. Sodium chloride helps in maintaining osmotic equilibrium. After incubation streak onto differential medium for isolation and identification. Medium is not suitable for growth of Salmonella typhi and Salmonella paratyphi.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow to pale green				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Bluish green				
Clarity (post autoclaving/heating) :		Opalescent solution with white precipitate.				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24 hrs. at 35 - 37°C.						
MICROORGANISM (ATCC)		GROWTH (ON MACCONKEY AGAR)				
Salmonella typhimurium (14028)		Luxuriant				
Salmonella enteritidis (13076)		Luxuriant				
Escherichia coli (25922)		Fair				
Staphylococcus aureus (25923)		Inhibited				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. IRRITANT. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed.				
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 isolation and identification of Salmonellae as per I.P.				
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
B084	63g/l	7.936L	7.0 ± 0.2	NIL	DO NOT AUTOCLAVE OR REHEAT	

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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