

TECHNICAL SHEET

B083	TETRATHIONATE CV ENRICHMENT BROTH				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		4.30			
Peptic digest of animal tissue		4.30			
Sodium chloride		6.40			
Potassium tetrathionate		20.00			
Crystal violet		0.005			
Final pH (at 25°C) : 6.5 ± 0.2					
Directions :					
Suspend 35 gms. in 1000ml. distilled water. Heat to dissolve the medium completely. Dispense in tubes. DO NOT AUTOCLAVE.					
Principle :					
Casein enzymic hydrolysate and peptic digest of animal tissue provide nitrogenous compounds and other necessary nutrients for the growth of the Salmonellae. Potassium tetrathionate and crystal violet largely inhibit the accompanying bacterial flora including Shigella. Sodium chloride maintains isotonic conditions in the medium.					
QC Tests – (I) Dehydrated Medium					
Colour :		Cream to Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		6.5 ± 0.2			
Colour (post autoclaving/heating) :		Blue to light blue			
Clarity (post autoclaving/heating) :		Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 48 hrs at 35 - 37°C.					
MICROORGANISM (ATCC)		GROWTH			
Salmonella typhimurium (14028)		Luxuriant			
Salmonella enteritidis (13076)		Luxuriant			
Escherichia coli (25922)		None – poor			
Staphylococcus aureus (25923)		Inhibited			
Precautions :					
1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
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 enrichment of Salmonellae from meal and foodstuffs.					
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
B083	35g/l	14.28L	6.5 ± 0.2	NIL	121°C /10 min.

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 BIOMARK LABORATORIES publications.

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