BIOMARK Laboratories-INDIA

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TECHNICAL SHEET								
B1302 TETRATHIONATE BROTH BASE (TT BROTH BASE)								
Formula								
Ingredients	gms/l	it.						
Meat Extract B								
Peptone	4.5							
Yeast extract	1.8							
Sodium chloric								
Calcium carbo		.00						
Sodium thiosu		.70						
#Equivalent to								
Final pH (at 25	S°C) : Self							
Directions:								
Suspend 77.40) grams in 980 ml purified/	distilled wa	ter. Heat just to boiling. Cool below 45-50°C					
and aseptically add 20 ml iodine solution (6 grams of iodine and 5 grams of potassium iodide in 20								
	ml distilled water). Mix well and dispense in 10 ml quantities in sterile tubes. This complete							
			n. Do not heat after the addition of iodine					
solution. Use the medium immediately after addition of iodine. Note: Due to presence of calcium carbonate, the prepared medium forms opalescent solution with								
		te, the prep	bared medium forms opalescent solution with					
a white precipitate.								
Principle:	supports the rejuvenation of	f Salmonall	a colle injured by food processing which are					
	This medium supports the rejuvenation of Salmonella cells injured by food processing which are incapable of forming colonies on plate, but on injection can cause infection. Yeast extract, meat							
			growth factors and vitamins in this medium.					
			te decomposition products. Sodium chloride					
			the ability of thiosulphate and tetrathionate					
			le) in combination to suppress commensal					
			trathionate reductase flourish in this broth.					
			and can minimize its toxicity in the testing					
	during microbial limit tests.		,					
QC Tests - (I)	Dehydrated Medium							
Colour:		Cream to yellow						
Appearance		Homogene	Homogeneous Free Flowing powder					
(II)Rehydrate								
	claving/heating):	Self						
		With addit	With addition of brilliant green and iodine solution Light					
green.			5					
Clarity (post autoclaving/heating): Opalescent solution with heavy white precipitate.								
(III)Q.C. Tes	t Microbiological							
Cultural ch	aracteristics observed with	added bri	lliant green and iodine solution when sub					
cultured or	Xylose Lysine Deoxychol	ate Agar ((BH819) after enrichment in Tetrathionate					
medium, after an incubation at 35-37°C for 18-72 hours.								
MICROORGAI	VISM (ATCC) REC	OVERY	Colour of colony					
Salmonella	typhimurium (14028) luxu	riant	red with black centres					
		l-luxuriant	red with black centres					
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. Kee								
container tightly closed.								
Limitations :								
	encountered that fail to grow or grow poorly on this medium.							
Use:	It is recommended as a selective enrichment broth for isolation of Salmonella Typhi							
and other Salmonellae from clinical specimens and biologicals as specified in Ir								
	Pharmacopoeia, 1996.	- F						
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Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.						
Packing :	500 gm. bottle						
Product	Reconstitution	Quantity on	pH (25°C)	Supplement	Sterilization		
profile:	Preparation (500g)						
B1302	77.4 g/l	6.459L	Self	iodine solution	DO NOT AUTOCLAVE		

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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