BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B499 DIFFERENTIAL REINFORCED CLOSTRIDIAL BROTH								
Formula								
Ingredients :		ams	s/lit.					
Peptic digest of an	00							
Beef extract		00						
Yeast extract)						
Starch)						
Sodium acetate, h	vdrated)						
Glucose	1.00							
L-cysteine hydrochloride 0.50								
Final pH (at 25°C) : 7.2 <u>+</u> 0.2								
Directions :	<u>. ,</u>							
Suspend 29 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize								
by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Just before use add 0.5 ml filter sterilized								
solution, prepared by mixing equal volumes of 4% w/v solution of sodium sulphite and 7% w/v ferric								
citrate, to 25 ml of single strength medium or 0.4 ml and 2 ml to 10 ml and 50 ml of double strength								
medium respectively. Mix well.								
Principle :								
Differentiation is based on the ability to reduce sulphite to sulphide to form iron sulphide result in black								
colour. Peptic digest of animal tissue, beef extract, yeast extract, starch, sodium acetate provide essential								
nutrients for bacterial metabolism. Glucose is the fermentable carbohydrate. L-cysteine hydrochloride acts								
as reducing agent.								
QC Tests – (I)Dehydrated Medium								
Colour :				Cream to yellow				
Appearance :		Homogeneous Free Flowing powder						
(II)Rehydrated me	5							
PH (post autocla	7.2 ± 0.2	7.2 ± 0.2						
Colour (post au	Light yello	Light yellow to light amber						
Clarity (post au		Clear						
(III)Q.C. Test Microbiological								
Cultural characteristics observed in an anaerobic atmosphere, with added 4% w/v solution of Sodium								
		incubation at 30-35°C within 1 week.						
			ROWTH					
				d to luxuriant Positive reaction, blackening of medium				
	progenes (11437		d to luxuriant Positive reaction, blackening of medium					
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 the cultivation of Clostridia from water.							
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.							
Packing :	500 gm bottle							
Product profile:	Reconstitution	Quantitv	on	pH (2	5°C)	Supplement	Sterilization	
	Preparatio				-,			
B499	29 g/l		7.24L	7.2 =	± 0.2	4% w/v solution	121°C / 15 minutes	
	- 37 -					of sodium		
						sulphite and 7%		
						w/v ferric		
						citrate		
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