

TECHNICAL SHEET

B507	DULCITOL SELENITE BROTH (SELENITE-F BROTH WITH DULCITOL) (TWIN PACK)					
Formula						
Ingredients:		gms/lit.				
Part A						
Peptic digest of animal tissue		5.00				
Dulcitol		4.00				
Sodium phosphate		10.00				
Part B						
Sodium hydrogen selenite		4.00				
Final pH (at 25°C): 7.0 ± 0.2						
Directions:						
Suspend 4 grams of Part B in 1000 ml distilled water. Add 19 grams of Part A. Mix well. Heat if necessary to dissolve the medium completely. Distribute in sterile test tubes. Sterilize in a boiling water bath or free flowing steam for 10 minutes. DO NOT AUTOCLAVE OR OVERHEAT. Excessive heating is detrimental.						
Principle:						
Peptic digest of animal tissue provides nitrogenous substances. Sodium biselenite inhibits many species of gram-positive and gram-negative bacteria including Enterococci. Sodium phosphate maintains a stable pH and also lessens the toxicity of selenite.						
QC Tests - (I) Dehydrated Medium						
Colour:		Part A : Cream to yellow Part B : White to cream				
Appearance:		Part A & Part B: Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating):		7.0 ± 0.2				
Colour (post autoclaving/heating):		Light yellow				
Clarity (post autoclaving/heating):		clear solution				
(III) Q.C. Test Microbiological						
Cultural characteristics observed when subcultured on MacConkey Agar (B238), after an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC)		RECOVERY		COLOUR OF COLONY		
Escherichia col (25922)		none to poor		pink with bile precipitate		
Salmonella Enteritidis (13076)		luxuriant		colourless		
Salmonella Typhi(6539)		good		colourless		
Salmonella Typhimurium (14028)		luxuriant		colourless		
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. Sodium hydrogen selenite (Sodium bi-selenite) is very toxic, corrosive agent and causes teratogenicity. Handle with great care. Upon contact with skin, wash immediately with a lot of water.				
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:		It is used for selective enrichment of Salmonella species.				
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
B507	19.020g/l (Part A)	26.31 L		7.0 ± 0.2	Nil	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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