

TECHNICAL SHEET

B1224	MANNITOL SELENITE BROTH W/BRILLIANT GREEN (TWIN PACK)				
Formula					
Ingredients:		gms/lit.			
Part A					
Meat peptone					5.00
Yeast Extract					5.00
Sodium taurocholate					1.00
Brilliant green					0.005
Potassium dihydrogen phosphate					3.40
Dipotassium hydrogen phosphate					4.35
Mannitol					5.00
Part B					
Sodium selenite					4.00
Final pH (at 25°C): 7.0 ± 0.2					
Directions :					
Suspend 4 gms of Part B in 1000ml distilled water. Add 23.75 gms of Part A. Mix well. Warm to dissolve the medium completely. Dispense as desired. Sterilize in a boiling water – bath or free flowing steam for 10 minutes. DO NOT AUTOCLAVE. Excessive heating is detrimental.					
Principle :					
Meat peptone and yeast extract provides amino acids and other nitrogenous substances to Salmonellae. Mannitol serves as fermentable carbohydrate. Phosphate helps to buffer the medium. Brilliant green is inhibitory to Gram positive organisms.					
QC Tests – (I)Dehydrated Medium					
Colour :	Part A: Cream to pale green Part B : White to cream				
Appearance :	Part A & B : Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.0 ± 0.2				
Colour (post autoclaving/heating) :	Green				
Clarity (post autoclaving/heating) :	Clear to very slightly opalescent				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 –24 hrs. at 35-37°C when subculture on MacConkey Agar (B238)					
MICROORGANISM (ATCC)	RECOVERY (INCREASE IN NUMBER)	COLOUR OF COLONY			
Salmonella enteritidis (13076)	Luxuriant	Pink with bile precipitate			
Salmonella paratyphi B (8759)	Luxuriant	Colourless			
Salmonella typhi (6539)	Luxuriant	Colourless			
Escherichia coli (25922)	Little-None	Colourless			
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 faeces, foodstuffs and other materials.				
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
B1224	Part A- 23.75g/l Part B- 4.00g/l	18.02 L (Part A+B)	7.0 ± 0.2	NIL	DO NOT AUTOCLAVE

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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