

**TECHNICAL SHEET**

<b>B1504</b>	<b>BRILLIANT GREEN AGAR W/PHOSPHATES</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		10.00				
Meat extract		5.00				
Yeast extract		3.00				
Lactose		10.00				
Sucrose		10.00				
Disodium phosphate		1.00				
Monosodium phosphate		0.60				
Phenol red		0.09				
Brilliant green		0.005				
Agar		15.00				
Final pH (at 25°C) : 6.9 ± 0.2						
<b>Directions :</b>						
Suspend 54.69 grams in 1000 ml distilled water. Heat with occasional agitation and bring just to the boil to dissolve the medium completely. DO NOT AUTOCLAVE. For maximum recovery, Sulpha Supplement (BF020) may be aseptically added. Cool to 50°C. Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
Peptic digest of animal tissue, meat extract and yeast extract as sources of carbon, nitrogen, vitamins, amino acids and essential nutrients. Lactose and sucrose serve as energy sources. Fermentation of lactose and / or sucrose in the medium results in the formation of acidic pH which is detected by phenol red indicator.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Light yellow to pink				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		6.9 ± 0.2				
Colour (post autoclaving/heating) :		Greenish brown				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 –24 hrs at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH	COLOUR OF COLONY			
Salmonella enteritidis (13076 )		Luxuriant	Bright red			
Salmonella typhimurium (14028)		Luxuriant	Bright red			
Proteus vulgaris (13315 )		None-poor	Red			
Pseudomonas aeruginosa (10145)		None-poor	Red			
Escherichia coli (25922)		Inhibited	--			
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		It is recommended for detection and enumeration of Salmonellae. The composition and performance criteria of this medium are as per the specifications laid down in ISO 1985 Draft ISO/DIS 6785.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1504</b>		54.69 g/l	9.145L	6.9 ± 0.2	Sulpha Supplement	DO NOT AUTOCLAVE

**Disclaimer:**

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