

TECHNICAL SHEET

B1504	BRILLIANT GREEN AGAR W/PHOSPHATES				
Formula					
Ingredients :		gms/lit.			
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					
Directions :					
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.					
Principle :					
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.					
QC Tests – (I)Dehydrated Medium					
Colour :		Light yellow to pink			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		6.9 ± 0.2			
Colour (post autoclaving/heating) :		Greenish brown			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
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	--		
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 :		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.			
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
B1504	54.69 g/l		9.145L	6.9 ± 0.2	Sulpha Supplement 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 BIOMARK LABORATORIES publications. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.