

B439	BRILLIANT GREEN AGAR W/PHOSPHATES				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		10.00			
Meat Extract B#		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		0.0047			
Agar		12.00			
#- Equivalent to Beef extract					
Final pH (at 25°C) : 6.9 ± 0.2					
Directions :					
Suspend 25.84 grams in 500 ml distilled water. Heat with occasional agitation and bring just to the boil to dissolve the medium completely. DO NOT AUTOCLAVE. For more selectivity and maximum recovery aseptically add the rehydrated contents of 1 vial of Sulpha Supplement (BF020). Mix well before pouring into sterile Petri plates.					
Principle :					
In Brilliant Green Agar, Peptic digest of animal tissue, Meat Extract B and Yeast Extract provide nitrogen, vitamins and minerals. Lactose and Sucrose are the carbohydrates in the medium. Phenol red is the pH indicator that turns the medium a yellow color with the formation of acid when lactose and/or sucrose is fermented. Sodium Chloride maintains the osmotic balance in the medium. Brilliant Green inhibits gram-positive bacteria and most gram-negative bacilli other than Salmonella spp. Lactose / sucrose fermenters are usually inhibited. Agar is the solidifying agent.					
QC Tests – (I) Dehydrated Medium					
Colour :		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 :	For selective isolation of Salmonella while inhibiting Escherichia coli, Proteus, Pseudomonas 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
B439	51.69 g/l	9.673 L	6.9 ± 0.2	Sulpha Supplement (BF020)	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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