

<b>B439</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			
Beef 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		0.0047			
Agar		12.00			
Final pH (at 25°C) : 6.9 ± 0.2					
<b>Directions :</b>					
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.					
<b>Principle :</b>					
In Brilliant Green Agar, Peptic digest of animal tissue 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.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :		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>	For selective isolation of Salmonella while inhibiting Escherichia coli, Proteus, Pseudomonas species.				
<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>B439</b>	51.69 g/l	9.673 L	6.9 ± 0.2	Sulpha Supplement (BF020)	DO NOT AUTOCLAVE