B124	**BRILLIANT GREEN AGAR WITH 1.2% AGAR**
Formula	
Ingredients :	**gms/lit.**
Proteose peptone	10.00
Yeast extract	3.00
Lactose	10.00
Sucrose	10.00
Sodium chloride	5.00
Phenol red	0.08
Brilliant green	0.0125
Agar	12.00
Final pH (at 25°C) : 6.9 ± 0.2	

Directions :

Suspend 50 grams in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. AVOID OVERHEATING. For more selectivity, aseptically add rehydrated contents of two vials of Sulpha supplement (BF020). Mix well before pouring into sterile petri plates.

Principle :

Brilliant Green Agar Modified contains Yeast Extract and Proteose Peptone as sources of carbon, nitrogen, vitamins and minerals. Yeast Extract supplies B-complex vitamins which stimulate bacterial growth, Lactose and Sucrose are carbohydrate sources. In the presence of Phenol Red, a pH indicator, nonlactose and / or nonsucrose – fermenting Salmonella will produce red colonies. Brilliant Green inhibits gram positive organisms and many gram negative bacteria, except Salmonella. Agar is a solidifying agent.

QC Tests – (I)Dehydrated Medium				
	Colour :	Beige to light 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 typhimurium (14028)	good-luxuriant	Pinkish white	
	Salmonella enteritidis (13076)	Luxuriant	Pinkish white	
	Salmonella Abony (NCTC6017)	good-luxuriant	Pinkish white	
	Salmonella typhi (6539)	Poor – good	Reddish pink	
	Escherichia coli (25922)	None-poor	Yellowish green	
	Escherichia coli (8739)	None-poor	Yellowish green	
	Escherichia coli (NCTC9002)	None-poor	Yellowish green	
	Staphylococcus aureus (25923)	Inhibited	--	
	Staphylococcus aureus (6538)	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.
	2. Due to the nutritional requirements and inhibitory characteristics of the organisms themselves, organisms other than Salmonella spp., such as Morganella morgani and some Enterobacteriaceae may grow on the medium.
	3. Confirmatory tests, such as fermentation reactions and seroagglutination, should be carried out on all presumptive Salmonella spp.
Use :	For an enrichment medium for isolation of Salmonellae from water.
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
B124	50g/l	10L	6.9 ± 0.2	Sulpha supplement (BF020)	121^0C / 15 minutes