

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B520	ETHYL VOLET AZIDE BROTH (EVA BROTH)					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		20.00				
Dextrose		5.00				
Dipotassium phosphate		2.70				
Monopotassium phosphate		2.70				
Sodium chloride		5.00				
Sodium azide		0.40				
Ethyl violet		0.00083				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 35.8 grams in 1000 ml distilled water. Heat, if necessary, to dissolve the medium completely. Dispense in tubes in 10 ml amounts and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate and dextrose provides the necessary nutrients for the growth of Enterococci. Sodium azide and ethyl violet inhibit gram – negative bacilli and gram – positive spore formers.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 24 – 48 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Enterococcus faecalis (29212)		Luxuriant with purple button at the bottom of tube				
Escherichia coli (25922)		Inhibited				
Streptococcus pyogenes (19615)		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 and confirmative medium for detection of Enterococci and as an indicator of faecal pollution in water and other specimens.				
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
B520	35.8g/l		13.96L	7.0 ± 0.2	Nil	121°C / 15 minutes