

**TECHNICAL SHEET**

<b>B554</b>	<b>HORIE ARABINOSE ETHYL VIOLET BROTH</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		5.00				
Beef extract		3.00				
Sodium chloride		30.00				
Bromothymol blue		0.03				
Ethyl violet		0.001				
Arabinose		5.00				
Final pH (at 25°C): 9.0 ± 0.2						
<b>Directions :</b>						
Suspend 43.03 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.						
<b>Principle:</b>						
Peptic digest of animal tissue and beef extract in the medium are sources of carbon, nitrogen, vitamins and minerals. Sodium chloride at 3.0% concentration protects cold and heat injured cells against inactivation. Due to fermentation of arabinose, the medium turns yellow under acidic conditions. Bromothymol blue and ethyl violet are the pH indicators.						
<b>QC Tests - (I)Dehydrated Medium</b>						
Colour :		Light yellow to greenish blue				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		9.0 ± 0.2				
Colour (post autoclaving/heating) :		Blue				
Clarity (post autoclaving/heating) :		Clear solution				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours						
MICROORGANISM (ATCC )		GROWTH		COLOUR OF MEDIUM		
Vibrio cholerae (15748)		good-luxuriant		yellow		
Vibrio parahaemolyticus (17802)		good-luxuriant		yellow		
<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>		It is used for the enrichment of Vibrio 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>B554</b>	43.03 g/l		12.49 L	9.0 ± 0.2	Nil	121°C / 15 minutes

**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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