

TECHNICAL SHEET

B503	ETHYL VIOLET AZIDE DEXTROSE AGAR					
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				
Agar		15.00				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 50.8 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
Warning: Sodium azide has a tendency to form explosive metal azides with plumbing materials. It is advisable to use enough water to flush off the disposables						
Principle :						
casein enzymic hydrolysate as source of carbon, nitrogen, vitamins and minerals. Dextrose is the fermentable carbohydrate. Sodium azide and ethyl violet inhibit gram-positive bacilli and gram-positive cocci other than Enterococci. Monopotassium and dipotassium phosphates buffer the medium. Sodium chloride provides osmotic balance.						
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 to slightly opalescent gel forms in Petri plates				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 24 - 48 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Enterococcus faecalis (29212)		Good -luxuriant				
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 :		It is used for detecting and confirming Streptococci and as confirmative medium for faecal pollution indication 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
B503		50.80g/l	9.84L	7.0 ± 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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