

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B624	MINIMAL BROTH DAVIS					
Formula						
Ingredients :		gms/lit.				
Dextrose		1.00				
Dipotassium phosphate		7.00				
Monopotassium phosphate		2.00				
Sodium citrate		0.50				
Magnesium sulphate		0.10				
Ammonium sulphate		1.00				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 11.6 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principles :						
Minimal Broth Davis contain citrate and phosphates as buffers. Ammonium Sulfate is the carbon source. Magnesium is a cofactor for many metabolic reactions. Minimal Agar Davis contains Dextrose as the carbohydrate energy source. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellowish white				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Medium amber				
Clarity (post autoclaving/heating) :		Slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18- 24 hours at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (13762)		Luxuriant				
Escherichia coli (23724)		Luxuriant				
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 the isolation and characterization of nutritional mutants of E.Coli.				
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
B624		11.6g/l	43.10L	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 BIOMARK LABORATORIES publications.

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