

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B625</b>	<b>MINIMAL BROTH DAVIS WITHOUT DEXTROSE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
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						
<b>Directions :</b>						
Suspend 10.6 gms. in 990 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Add 10 ml. of sterile 10% Dextrose solution .Mix well.						
<b>Principles :</b>						
Minimal Broth Davis w/o Dextrose contain citrate and phosphates as buffers. Ammonium Sulfate is the carbon source. Magnesium is a cofactor for many metabolic reactions.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Cream to yellowish white				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Medium amber				
Clarity (post autoclaving/heating) :		Slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18- 24 hours at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (13762)		Luxuriant				
Escherichia coli (23724)		Luxuriant				
<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>		For the isolation and characterization of nutritional mutants of E.Coli.				
<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>B625</b>	10.6g/l	47.16L	7.0 ± 0.2	10% Dextrose solution	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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