

**TECHNICAL SHEET**

<b>B611</b>	<b>DAVIS SUPPLEMENTED MINIMUM MEDIUM W/O GLUCOSE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein enzymic hydrolysate		2.00				
Yeast extract		2.00				
Dipotassium hydrogen phosphate		7.00				
Potassium dihydrogen phosphate		3.00				
Ammonium sulphate		1.00				
Sodium citrate.3H <sub>2</sub> O		0.50				
Magnesium sulphate		0.10				
Agar		15.00				
Final pH (at 25°C) : 7.0 ± 0.2						
<b>Directions :</b>						
Suspend 30.45 grams of dehydrated medium in 980 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C. Aseptically add 20 ml of filter sterilized glucose solution (2 gms glucose dissolved in 20 ml distilled water). Mix thoroughly and pour into sterile Petri plates.						
<b>Principle :</b>						
The medium contains citrate and phosphate as buffers Ammonium sulphate is the nitrogen source. Magnesium is a cofactor for many metabolic reactions.						
<b>QC Tests - (I)Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		yellow				
Clarity (post autoclaving/heating) :		Clear				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 -24 hrs.at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (25922)		Good				
Enterobacter aerogenes (13048)		Good				
<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 recommended for for enrichment and titre determination of coliform bacteria.				
<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>B611</b>		30.45 g/l	16.42 L	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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