

**TECHNICAL SHEET**

<b>B744</b>	<b>MALACHITE GREEN BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		15.00			
Meat extract		9.00			
Dipotassium hydrogen phosphate		1.10			
Malachite green		0.03			
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions:</b> Suspend 25.13 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense into tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Meat extract and peptic digest of animal tissue serve as sources of essential nutrients required for bacterial metabolism. Dihydrogen potassium phosphate serves to buffer the medium. Malachite green makes the medium selective for P.aeruginosa while suppressing the growth of the accompanying flora. The medium can also be used as a single strength medium by suspending 8.4 g/litre of medium, depending upon the sample being tested.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Light yellow to greenish yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Green to peacock blue			
Clarity (post autoclaving/heating) :		Clear			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18- 24 hours at 35-37°C.					
MICROORGANISM (ATCC )		GROWTH			
Pseudomonas aeruginosa (27853)		Luxuriant			
Escherichia coli (25922)		Inhibited			
<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 selective enrichment of Pseudomonas aeruginosa.				
<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>B744</b>	25.13g/l	19.896L	7.0 ± 0.2	nil	121°C / 15 minutes

**Disclaimer:**

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