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**TECHNICAL SHEET**

<b>B380</b>	<b>ROBINSON MEDIUM FOR ENTAMOEBA (TWIN PACK)</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
<b>Part A -</b>						
Citric acid			20.00			
Ammonium sulphate 10.00						
Magnesium sulphate			0.50			
Monopotassium phosphate			5.00			
Sodium chloride			50.00			
Bromothymol blue 0.001						
<b>Part B</b>						
Lactic acid			40.000 ml			
Final pH (at 25°C) : 7.0 ± 0.2						
<b>Directions :</b>						
Suspend 85.5 grams of Part A in 1000 ml distilled water containing 40 ml of Part B (Lactic Acid). This solution can be kept without sterilization for 4 weeks. For use, dilute the medium 10 times by adding 900 ml distilled water to 100 ml medium. Adjust pH to 7.0 ± 0.2 with 10N sodium hydroxide and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to room temperature and inoculate Escherichia coli Strain B.						
<b>Principle :</b>						
Citric acid and lactic acid provide carbon source and ammonium sulphate provides nitrogen source necessary for the growth of bacteria. Sodium chloride maintains the osmotic balance. Phosphate buffers the medium well. Bromothymol blue acts as a pH indicator.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :			Part A : Off-white to yellow Part B : Colourless			
Appearance :			Part A: Homogeneous Free Flowing powder B: liquid			
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :			7.0 ± 0.2			
Colour (post autoclaving/heating) :			Colourless			
Clarity (post autoclaving/heating) :			Clear solution without any precipitate			
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 24 – 48 hrs. at 35-37°C.						
MICROORGANISM (ATCC )			GROWTH			
Escherichia coli strain B (23226)			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>		Escherichia coli culture grown in this medium is used as a substrate for growth of amoeba.				
<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>B380</b>		85.50 g/l	5.847 L	7.0 ± 0.2	Nil	121°C/15 min.

Refer disclaimer Overleaf

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