

**BIOMARK Laboratories-INDIA**  
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**TECHNICAL SHEET**

<b>B824</b>	<b>YEAST GLUCOSE MEATAGAR</b>				
<b>Formula</b>					
<b>Ingredients:gms/lit.</b>					
Peptic digest of animal tissue	10.00				
Meat extract b#	10.00				
Yeast extract	3.00				
Sodium chloride	5.00				
Dextrose	5.00				
Agar	15.00				
# Equivalent to Beef Extract					
Final pH (at 25°C) : 7.0± 0.2					
<b>Directions :</b>					
Suspend 48 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely and dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Dextrose provides an energy source for the growth of microorganisms. Yeast extract, peptic digest of animal tissue and Meat extract B provide the necessary growth factors and nutrients. Sodium chloride helps to maintain osmotic balance of the cells.					
<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) :	Light amber				
Clarity (post autoclaving/heating) :	Clear to very slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 - 24 hrs at 35 - 37°C.					
MICROORGANISM (ATCC )	GROWTH				
Leuconostoc dextranicum	good-luxuriant				
Streptococcus cremoris(19257)	good-luxuriant				
Lactobacillus lactis(8000)	good-luxuriant				
Streptococcus thermophiles (14485)	good-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>					
It is used for the cultivation of lactic Streptococci for determining growth characteristics.					
<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>B824</b>	48 g/l	10.42L	7.0± 0.2	Nil	121 <sup>0</sup> C/15 min.

**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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