

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

<b>B655</b>		<b>NUTRIENT AGAR W/MANGANESE</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Meat extract B#		3.00				
Pancreatic digest of gelatin		5.00				
Manganese sulphate		0.03				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 6.8± 0.2						
<b>Directions :</b>						
Suspend 23.03 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
Meat extract B and pancreatic digest of gelatin provide necessary nutrients for growth of Bacillus species. Manganese is known to influence and enhance sporulation in Bacillus species.						
<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) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed at 35 - 37°C for upto 5 days						
MICROORGANISM (ATCC )		GROWTH				
Bacillus coagulans (8038)		luxuriant (with sporulation)				
Bacillus licheniformis (9945a)		luxuriant (with sporulation)				
Bacillus megaterium (9855)		luxuriant (with sporulation)				
Bacillus polymyxa (8526)		luxuriant (with sporulation)				
Salmonella Abony NCTC (6017)		luxuriant (with sporulation)				
Bacillus subtilis(6633)		luxuriant (with sporulation)				
Bacillus stearothermophilus(7953)		luxuriant (incubated at 55°C for upto 5 days)				
<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 promoting sporulation in Bacillus species.				
<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>B655</b>		23.03g/l	21.71L	6.8 ± 0.2	NIL	121°C / 15 minutes

**Disclaimer:**

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