

**TECHNICAL SHEET**

<b>B550</b>		<b>NUTRIENT AGAR</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		5.00				
Meat Extract B#		1.50				
Yeast extract		1.50				
Sodium chloride		5.00				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.4 ± 0.2						
<b>Directions :</b>						
Suspend 28 grams in 1000 ml distilled water. Boil to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. If desired, the medium can be enriched with 5-10% blood or other biological fluids. Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
Nutrient Agar contains Meat Extract B and Peptone as carbon and nitrogen sources for general growth requirements. Yeast extract provides essential vitamins. Agar is added as a solidifying agent.						
<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) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Cream to light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 - 48 hrs at 35 - 37°C.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (25922)		Good – luxuriant				
Pseudomonas aeruginosa (27853)		Good – luxuriant				
Staphylococcus aureus (25923)		Good – luxuriant				
Streptococcus pyogenes (19615)		Good – luxuriant				
Salmonella Typhi (6539)		Good – luxuriant				
Salmonella Enteritidis (13076)		Good – luxuriant				
Salmonella Typhimurium (14028)		Good – luxuriant				
Yersinia enterocolitica (9610)		Good – luxuriant				
Yersinia enterocolitica (23715)		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>		For cultivation of less fastidious microorganisms, can be enriched with blood or other biological fluids.				
<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>B550</b>		28g/l	17.857L	7.4 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

**TECHNICAL SHEET**

**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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.