

**TECHNICAL SHEET**

<b>B1271</b>	<b>TRYPTONE AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
Casein enzymic hydrolysate			10.00			
Sodium chloride			8.00			
Agar			15.00			
Final pH (at 25°C) : Self						
<b>Directions :</b>						
Suspend 33.0 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>						
Casein enzymic hydrolysate provides essential growth nutrients to support the growth of organisms. Sodium chloride buffers the medium. This is also an excellent medium for the maintenance for both aerobic and anaerobic cultures. Viability in this medium is greater than in any other broth medium or slant culture						
<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) :			Self			
Colour (post autoclaving/heating) :			Light yellow			
Clarity (post autoclaving/heating) :			Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 24 - 48 hrs at 35-37°C.						
MICROORGANISM (ATCC )			GROWTH			
Enterobacter aerogenes (13048)			Luxuriant			
Escherichia coli (25922)			Luxuriant			
Salmonella enteritidis (13076 )			Luxuriant			
Staphylococcus aureus (25923)			Luxuriant			
Pseudomonas aeruginosa (27853)			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 as a general purpose medium for growth of non-fastidious microorganisms.				
<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>B1271</b>		33.0 g/l	15.15L	Self	Nil	121°C /15 min.