

## TECHNICAL SHEET

<b>B805</b>		<b>TRYPTOSE AGAR W/ THIAMINE HYDROCHLORIDE</b>				
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
Tryptose			20.00			
Dextrose			1.00			
Sodium chloride			5.00			
Thiamine hydrochloride			0.005			
Agar			15.00			
Final pH (at 25°C) :			7.2 ± 0.2			
<b>Directions :</b>						
Suspend 41 gms in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. For blood media, aseptically add 5% v/v sterile defibrinated blood. Mix well and dispense as desired.						
<b>Principle :</b>						
Dextrose is the source of energy. Tryptose serves as nitrogen source while sodium chloride maintains osmotic equilibrium. Blood Agar may be prepared by adding 5% v/v sterile defibrinated blood to the molten sterile Tryptose Agar at 50°C.						
<b>QC Tests – (I) Dehydrated Medium</b>						
	Colour :		Yellow			
	Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>						
	pH (post autoclaving/heating) :		7.2 ± 0.2			
	Colour (post autoclaving/heating) :		a) Basal medium : Yellow b) With addition of 5% v/v defibrinated sterile blood : Cherry red.			
	Clarity (post autoclaving/heating) :		a) Clear to slightly opalescent b) Opaque			
<b>(III) Q.C. Test Microbiological</b>						
	Cultural characteristics observed after 48-72 hrs at 35 - 37°C under 10% CO <sub>2</sub> .					
	MICROORGANISM (ATCC )		GROWTH			
	Brucella abortus (4315)		Good - luxuriant			
	Brucella melitensis (4309)		Good - luxuriant			
	Brucella suis (4314)		Good - luxuriant			
	Streptococcus pneumoniae (6303)		Good - luxuriant			
	Streptococcus pyogenes (19615)		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>		<b>B805:</b> For isolation, differentiation and cultivation of fastidious microorganisms in an infusion free medium.				
<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>B805</b>		41 g/l	12.195L	7.2 ± 0.2	NIL	121°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 BIOMARK LABORATORIES publications.

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