

<b>B063</b>	<b>TRYPTOSE BROTH 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			
Final pH (at 25°C) :			7.2 ± 0.2			
<b>Directions :</b>						
Suspend 26 grams in 1000 ml distilled water. If desired, add 0.5-1% agar to the medium. Heat to boiling to dissolve the media 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.						
<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) :		7.2 ± 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 b) Opaque in tubes				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after an incubation at 35-37°C for 48-72 hours with added 5% v/v sterile defibrinated blood in presence of 10% Carbon dioxide (CO <sub>2</sub> ).						
MICROORGANISM (ATCC )		GROWTH				
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>		For the cultivation and differentiation 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>B063</b>		26g/l	19.23L	7.3 ± 0.2	5% v/v sterile defibrinated blood if desired	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 BIOMARKLABORATORIES publications.

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