

TECHNICAL SHEET

B344	TRYPTOSE BROTH					
Formula						
Ingredients :			gms/lit.			
Tryptose			20.00			
Dextrose			1.00			
Sodium chloride			5.00			
Final pH (at 25°C) :			7.3 ± 0.2			
Directions :						
Suspend 26 grams in 1000 ml distilled water. If desired, add 0.5 - 1% agar to the medium. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and dispense as desired.						
Principle :						
Dextrose is the source of energy. Tryptose serves as nitrogen source while sodium chloride maintains osmotic equilibrium.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.3 ± 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				
(III) Q.C. Test Microbiological						
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 ₂).						
MICROORGANISM (ATCC)		GROWTH				
Brucella melitensis (4309)		Good - luxuriant				
Brucella suis (4314)		Good - luxuriant				
Streptococcus pneumoniae (6303)		Good - luxuriant				
Streptococcus pyogenes (19615)		Good - luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use:		For the cultivation primarily of Brucella species.				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B344		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 BIOMARK LABORATORIES publications.

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