

TECHNICAL SHEET

B804	TRYPTOSE AGAR					
Formula						
Ingredients :			gms/lit.			
Tryptose			20.00			
Dextrose (Glucose)			1.00			
Sodium chloride			5.00			
Agar			15.00			
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 41 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the media completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. For blood media, aseptically add 5% v/v sterile defibrinated blood. Mix well and dispense as desired.						
Principle :						
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 molten sterile Tryptose Agar at 50°C.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
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 :Cherryred.				
Clarity (post autoclaving/heating) :		a) Clear to slightly opalescent b) Opaque				
(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. 2.All presumptive anaerobic organisms must be identified by confirmatory test.				
Use:		For isolation, cultivation and differentiation primarily of Brucella, but also of Streptococci, Pneumococci, Meningococci and other pathogenic microorganisms.				
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
B804	41 g/l	12.195L	7.2 ± 0.2	5% v/v defibrinated sterile 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. 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.

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