## BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B804		TRYP	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 <u>+</u>				0.2				
Directio	ons :							
Suspend 41 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the media								
completely. Sterilize by autoclaving at 15 IDS pressure (121°C) for 15 minutes. Cool to 45-50°C.								
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 :			Crea	Cream to yellow				
Appe	Appearance :			Homogeneous Free Flowing powder				
(II)Rehy	II)Rehydrated medium							
pH (p	pH (post autoclaving/heating) :			7.2 ± 0.2				
Colo	Colour (post autoclaving/heating) : a)				a) Basal medium : Yellow			
				b) With addition of 5% v/v defibrinated sterile blood :Cherryred.				
Clari	Clarity (post autoclaving/heating) :			a) Clear to slightly opalescent				
			b) Op	b) Opaque				
(III)Q.	<u>C. Test M</u>	icrobiological						
Cultural characteristics observed after an incubation at 35-37°C for 48-72 hours with added							rs with added	
			oou in prese					
Brucella melitensis (4300)				GR	od luxuriant			
Brucella suis (4314)					od - luxuriant			
Streptococcus pneumoniae (6303)			303)	Go				
Streptococcus progenes (19615)		505 <u>7</u> (15)	Go	od - luxuriant				
Precaut	tions :	1. For Laborat	ory 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 am, bottle						
Product	profile:	Reconstitution	Quantity on	1	pH (25°C)	Supplement	Sterilization	
-			Preparation					
			(500g)					
B804		41 g/l	12.19	5L	7.2 ± 0.2	5% v/v	121ºC /15 min.	
						defibrinated		
						sterile blood if		
			1		1	Idesired		
(II) Rehydrated medium   pH (post autoclaving/heating) :   Colour (post autoclaving/heating) :   Clarity (post autoclaving/heating) :   (III)Q.C. Test Microbiological   Cultural characteristics observed aff   5% v/v sterile defibrinated blood in   MICROORGANISM (ATCC )   Brucella melitensis (4309)   Brucella suis (4314)   Streptococcus pneumoniae (6303)   Streptococcus progenes (19615)   Precautions : 1. For Laboratory Us   2. Follow proper, est   infectious materials.   Limitations : 1. Since the nutritio   encountered that fail   2.All presumptive and   Vse: For isolation, cultivat   Streptococci, Pneumo   Storage: Dehydrated medium-   Product profile: Reconstitution   B804 41 g/l		7.2 ± ing) : a) Ba b) Wi ting) : a) Cl b) Op ved after an ood in prese 5303) 515) 50ry Use. er, establish erials. utritional renat fail to gravitation ar ive anaerobi ultivation ar neumococci edium- below Quantity on Preparation (500g) 12.19	7.2 ± 0.2   a) Basal medium : Yellow   b) With addition of 5% v/v defibrinated sterile blood :Cherryred   a) Clear to slightly opalescent   b) Opaque   er an incubation at 35-37°C for 48-72 hours with added   presence of 10% Carbon dioxide (CO2)   GROWTH   Good - luxuriant   a) differentiation procedures in handling and disposing   blished laboratory procedures in handling and disposing   a) requirements of organisms vary, some strains may for grow or grow poorly on this medium.   erobic organisms must be identified by confirmatory test   on and differentiation primarily of Brucella, but also of cocci, Meningococci and other pathogenic microorganisms   below 30°C Prepared medium- Between 2 to 8°C.   ty on ation pH (25°C) Supplement Sterilization   ation 7.2 ± 0.2 5% v/v 121°C /15 mir   defibrinated sterile blood if desired					

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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