BIOMARK Laboratories-INDIA

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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 (CO2)	

	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^{0}C /15 min.

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