

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B125	BRUCELLA AGAR BASE			
Formula				
Ingredients :		gms/lit.		
Casein enzyme hydrolysate		10.00		
Peptic digest of animal tissue		10.00		
Yeast extract		2.00		
Dextrose		1.00		
Sodium chloride		5.00		
Sodium bisulphite		0.10		
Agar		15.00		
Final pH (at 25°C) : 7.0 ± 0.2				
Directions :				
Suspend 21.55 grams in 500 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45C. and aseptically add sterile 5% v/v inactivated horse serum and sterile rehydrated contents of 1 vial of Brucell selective supplement(BF012).Mix well and dispense as desired.				
For Campylobacter: Aseptically add sterile rehydrated contents of 1 vial of Campylobacter supplement-Blaser Wang (BF013),or Campylobacter supplement-Butzler(BF014) or Campylobacter supplement-Skirrow(BF015) or Campylobacter growth supplement(BF016) to 500 ml.molten sterile medium along with 5-7% defibrinated sheep blood.				
Principle :				
Casein enzyme hydrolysate and pepti digest of animal tissue provide organic nitrogen. Yeast extract offer source of Vitamin B complex and nitrogenous substances. Sodium chloride maintains osmotic balance and sodium bisulphate is reducing agent. Dextose is energy source.				
QC Tests - (I)Dehydrated Medium				
	Colour :	Cream to yellow		
	Appearance :	Homogeneous Free Flowing powder		
(II)Rehydrated medium				
	pH (post autoclaving/heating) :	7.0 ± 0.2		
	Colour (post autoclaving/heating) :	Yellow		
	Clarity (post autoclaving/heating) :	Lear to slightly opalesent gel		
(III)Q.C. Test Microbiological				
Cultural characteristics observed after 24-72 at 35-37° C.				
	MICROORGANISM (ATCC)	GROWTH		
	Brucell melitensis (4309)	Luxuriant		
	Brucell suis (4314)	Luxuriant		
	Escherichia coli (25922)	Inhibited		
	Staphylococcus aureus(25923)	Inhibited		
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 selective isolation and cultivation of Brucella or Campylobacter spp. From clinical or non-clinical specimennsl.			
Storage :	Dehydrated medium- below 30°C.Prepared medium between 2-8 30°C.			
Packing :	500 gm. bottle			
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement
B125	43.10 g/l	11.60L	7.0 ± 0.2	NIL
				121°C / 15 minutes