

B953	BRUCELLA SELECTIVE MEDIUM BASE					
Formula						
Ingredients :		gms/lit.				
Beef Heart Infusion from		500.00				
Tryptose	10.00					
Gelatin		1.00				
Dextrose		2.50				
Sodium chloride		5.00				
Agar		15.00				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 21.75gms. in 500 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure(121°C) for 15minutes. Cool to 45-50°C and aseptically add 10 % v/v sterile defibrinated sheep blood and 5% v/v sterile horse serum. Also add aseptically rehydrated contents of one vial of Brucella Selective Supplement (BF012). Mix well before pouring into sterile petri plates.						
Principle :						
It contains Tryptose,Beef heart infusion,gelatin and dextrose as a rich source of nutrients. Addition of antibiotics makes medium highly selective for Brucella spp.						
QC Tests – (I)Dehydrated Medium						
	Colour :	Cream to yellow				
	Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium						
	pH (post autoclaving/heating) :	7.4 ± 0.2				
	Colour (post autoclaving/heating) :	Light amber				
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent gel in petriplates				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 24-48 hrs at 35-37°C when incubated.						
	MICROORGANISM (ATCC)	GROWTH				
	Brucellamelitensis (4309)	Good – luxuriant				
	Bacteroidessuis (4314)	Good – luxuriant				
	Escherichia coli (25922)	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 enrichment, cultivation and identification 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
B953		43.5g/l	11.494L	7.4 ± 0.2	10 % v/v sterile defibrinated sheep blood and 5% v/v sterile horse serum	121°C / 15 minutes

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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