

B1460	BRUCELLA BROTH					
Formula						
Ingredients:		gms/lit.				
Enzymic Digest of Casein		10.00				
Enzymic Digest of Animal Tissue		10.00				
Yeast extract		2.00				
Dextrose		1.00				
Sodium chloride		5.00				
Sodium bisulphite		0.10				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 28.1gms in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Distribute. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
Principle :						
Peptic digest of animal tissue provides nitrogen and amino acids and Casein enzyme hydrolysate provides nitrogen. Yeast Extract adds essential vitamins. Dextrose is a carbon source, Sodium Bisulfite enhances growth. Sodium Chloride maintains the osmotic balance. Supplement blood (5-10%) provides additional growth factors for fastidious microorganisms and is used to determine hemolytic reactions.						
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) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed upto 7 days (For Brucella) at 35-37°C under 10% CO ₂ .						
MICROORGANISM (ATCC)		GROWTH				
Brucella abortus (4315)		Luxuriant				
Brucella melitensis (4309)		Luxuriant				
Brucella suis (4314)		Luxuriant				
Escherichia coli (25922)		Luxuriant				
Staphylococcus aureus (25923)		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.				
Use :		It is used for the cultivation of Brucella and other fastidious and non-fastidious 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
B1460		28.1g/l	17.793L	7.0 ± 0.2	Nil	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 BIOMARK LABORATORIES publications.

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