

<b>B126</b>		<b>BRUCELLA BROTH BASE</b>			
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/lit.</b>			
Casein enzymic 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			
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions :</b>					
Suspend 14.05 grams in 500 ml distilled water. Heat if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add sterile 5% v/v inactivated horse serum (BF021, inactivate by heating at 56°C for 30 minutes) and add rehydrated contents of one vial of Brucella Selective Supplement (BF012). Mix well before pouring into sterile tubes.					
<b>For Campylobacter:</b> Aseptically add sterile rehydrated contents of 1 vial of Campylobacter Supplement I (BF013) (Blaser Wang) or Campylobacter Supplement II (BF014) (Butzler) or Campylobacter Supplement III (BF015) (Skirrow) and Campylobacter Growth Supplement (BF016) to 500 ml of sterile medium.					
<b>Principle :</b>					
Peptic digest of animal tissue and casein enzymic hydrolysate provide nitrogenous and carbonaceous compounds, long chain amino acids, vitamins and other nutrients to the organisms. Yeast extract also supply some nitrogenous nutrients but mainly it serves as a source of Vitamin B complex. Dextrose serves as an energy source. It can be enriched with 5% v/v sterile defibrinated horse blood For selective isolation of Brucella species, antibiotic mixtures are incorporated into the base. When nonselective medium is required, Brucella Broth Base may be employed with the addition of serum only.					
<b>QC Tests - (I) Dehydrated Medium</b>					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.0 ± 0.2			
	Colour (post autoclaving/heating) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear			
<b>(III) Q.C. Test Microbiological</b>					
	Cultural characteristics observed under 10% Carbon dioxide (CO <sub>2</sub> ) with added 5% v/v inactivated horse serum (BF021) and Brucella Selective Supplement (BF012), after an incubation at 35-37°C for 24-72 hours				
	MICROORGANISM (ATCC )	GROWTH			
	Brucella abortus (4315)	Luxuriant			
	Brucella melitensis (4309)	Luxuriant			
	Brucella suis (4314)	Luxuriant			
	Escherichia coli (25922)	Inhibited			
	Staphylococcus aureus (25923)	Inhibited			
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	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				
<b>Use :</b>	For enrichment and cultivation of Brucella or Campylobacter species from clinical and non-clinical specimens.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B126</b>	28.1g/l	17.793L	7.0 ± 0.2	<b>For Brucella:</b> 5% v/v inactivated horse serum, Brucella Selective Supplement (BF012) <b>For Campylobacter:</b> Campylobacter Supplement I (BF013) (Blaser Wang) or Campylobacter Supplement II (BF014) (Butzler) or Campylobacter Supplement III (BF015) (Skirrow) and Campylobacter Growth Supplement (BF016)	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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