B126	**BRUCELLA BROTH BASE**
Formula	
Ingredients:	**gms/lit.**
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

Directions :

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.
For Campylobacter: 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.

Principle :

Peptic digest of animal tissue and casein enzymic hydrolysate provide nitrogeneous 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.

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 amber
	Clarity (post autoclaving/heating) :	Clear
(III)Q.C. Test Microbiological		
	Cultural characteristics observed under 10% Carbon dioxide (CO_2) 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

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 enrichment and cultivation of Brucella or Campylobacter species from clinical and non-clinical specimens.
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
B126	28.1g/l	17.793L	7.0 ± 0.2	**For Brucella**:5% v/v inactivated horse serum, Brucella Selective Supplement (BF012) **For Campylobacter:** Campylobacter Supplement I (BF013) (Blaser Wang) or Campylobacter Supplement II (BF014) (Butzler) or Campylobacter Supplement III (BF015) (Skirrow) and Campylobacter Growth Supplement (BF016)	121^0C / 15 minutes