

**TECHNICAL SHEET**

<b>B952</b>	<b>BRUCELLA AGAR BASE W/HEMIN &amp; VITAMIN K</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			
Hemin		0.01			
Vitamin K1		0.01			
Agar		15.00			
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions :</b>					
Suspend 43.1 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure(121°C) for 15minutes. Cool to 50°C and aseptically add 5 % v/v sterile defibrinated sheep blood. Aseptically add Sterile Vitamin K1 solution to (BF118) to give final concentration of 10 mcg/ml. Mix well before pouring into sterile petri plates.					
<b>Principle :</b>					
It contains casein enzymic hydrolysate, peptic digest of animal tissue, yeast extract and dextrose as a rich source of nutrients. Addition of blood provides nutrients and helps to differentiate haemolytic organisms. Presence of hemin and Vitamin K1 supports growth of other fastidious bacteria like Bacterioides species and gram – positive spore bearers like Clostridium species. Incubation is carried out anaerobically at 35°C for at least 48 hours however negative results should be reported after incubation for 7 days.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	Tan colour			
	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 to slightly opalescent			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 48 hrs at 35-37°C when incubated anaerobically.					
	MICROORGANISM (ATCC )	GROWTH			
	Brucella abortus (4315)	Good – luxuriant			
	Bacteroides fragilis (25285 )	Good – luxuriant			
	Clostridium perfringens (13124)	Good – luxuriant			
<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.					
<b>Use :</b>					
For cultivation of Brucella species for isolation and subculture of anaerobes with addition of blood.					
<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>B952</b>	43.1g/l	11.600L	7.0 ± 0.2	5 % v/v sterile defibrinated sheep blood.	121°C / 15 minutes

Refer disclaimer Overleaf

**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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