B954	BRUCELLA VITAMIN K1 BLOOD AGAR BASE
Formula	
Ingredients:	**gms/litre**
Casein enzymic hydrolysate	10.00
Peptic digest of animal tissue	10.00
Dextrose	1.00
Yeast extract	2.00
Sodium chloride	5.00
Sodium bisulphite	0.10
Agar	15.00
Final pH (at 25°C): 7.0± 0.2	

Directions:

Suspend 43.1 grams in 1000 ml distilled water. Heat to boiling 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 5% v/v sterile defibrinated sheep blood. Aseptically add sterile Vitamin K1 solution to give a final concentration of 10 mcg/ml. Mix well before pouring into sterile Petri plates.

Principle:

Casein enzymic hydrolysate, peptic digest of animal tissue and yeast extract as sources of carbon, nitrogen and essential growth nutrients including B-complex vitamins. Dextrose serves as a source of energy. Addition of blood provides nutrients and helps to differentiate hemolytic organisms. Addition of Vitamin K1 supports growth of other fastidious bacteria like Bacteroides species and gram-positive spore bearers like Clostridium species

QC Tests – (I)Dehydrated Medium		
	Colour:	Light yellow to tan
	Appearance:	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.0± 0.2
	Colour (post autoclaving/heating):	Basal medium :Light amber After addition of K1 & 5% v/v sterile defibrinated blood: Cherry red
	Clarity (post autoclaving/heating):	Basal medium :clear to slightly opalescent After addition of K1 & 5% v/v sterile defibrinated blood: Opaque
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after48 hours at 35-37°C.	

	ORGANISM (ATCC)	GROWTH	
	Bacteroides fragilis(25285)	Good-luxuriant	
	Clostridium perfringens (13124)	Good-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 recommended for the isolation, cultivation and subculture of Brucella species and other anaerobes.
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
B954	43.1g/l	11.60L	7.0 ± 0.2	Vitamin K1 solution and 5% v/v sterile defibrinated sheep blood	121^0C / 15 minutes

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