

TECHNICAL SHEET

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 after 48 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°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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