

TECHNICAL SHEET

PP003	Brucella Agar Plate with Hemin & Vitamin K1		
Formula			
Ingredients:		gms/lit.	
Casein enzyme 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		
Sheep Blood	5.00		
Agar	15.00		
Final pH (at 25°C): 7.0 ± 0.2			
Directions:			
Label the ready to use plate (PP003). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.			
Principle:			
Casein enzyme hydrolysate and peptic digest of animal tissue provide organic nitrogen. Yeast extract offer source of Vitamin B complex and nitrogenous substances. Sodium chloride maintains osmotic balance and sodium bisulphate is reducing agent. Dextrose is energy source. Addition of blood provides nutrients and helps to differentiate hemolytic organisms. Presence of hemin and Vitamin K1 supports growth of other fastidious bacteria like Bacteroides 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 only after incubation for 7 days.			
(I) QC Tests			
pH:	7.0 ± 0.2		
Color:	Red coloured medium.		
Appearance:	Sterile Brain Brucella agar w/hemin and vitamin K1 in 85mm disposable plates.		
(II) Sterility test	Passes release criteria		
(III) Q.C. Test Microbiological			
Cultural characteristics observed after an incubation at 35-37°C for 24 - 48 hours under anaerobic conditions.			
MICROORGANISM (ATCC)	INOCULUM (CFU)	GROWTH	RECOVERY
Bacteroides fragilis 2528	50-100	luxuriant	>=50%
Clostridium perfringens13124	50-100	luxuriant	>=50%

TECHNICAL SHEET

Precautions :	1. In Vitro diagnostic use only. 2. Read the label before opening the container
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:	Used for the isolation and cultivation of Brucella species.
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	20/50 disposable plates.

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. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.