

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B196	SMIBERTS SEMISOLID BRUCELLA MEDIUM					
Formula						
Ingredients :			gms/lit.			
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			
Neutral red			0.02			
Agar			1.60			
Final pH (at 25°C) : Self						
Directions :						
Suspend 29.72 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. Mix well and dispense in sterile tubes.						
Principle :						
Casein enzymic hydrolysate, peptic digest of animal tissue and yeast extract act as carbon and nitrogen sources. Dextrose acts as source of fermentable carbohydrates. Neutral red acts as a pH indicator. Sodium chloride maintains osmotic equilibrium. Addition of sodium bisulphite, a reducing agent, improves the oxygen tolerance of the medium for growth of Campylobacter.						
QC Tests - (I) Dehydrated Medium						
Colour :		Light yellow to pink				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		Self				
Colour (post autoclaving/heating) :		Orange red				
Clarity (post autoclaving/heating) :		clear to slightly opalescent gel forms in tubes as slants				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 24-72 hours under aerobic/ microaerobic atmosphere.						
MICROORGANISM (ATCC)		GROWTH				
Brucella melitensis (4309)		good				
Brucella suis (4314)		good				
Campylobacter jejuni(29428)		good				
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 used for the cultivation of Campylobacter species.				
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
B196		29.72 g/l	16.82 L	Self	Nil	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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