

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B031	WANGS SEMISOLID 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					
Agar	5.00					
Final pH (at 25°C): 7.0 ± 0.2						
Directions :						
Suspend 33.1 grams in 900 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 100 ml sterile defibrinated sheep blood. Mix well and dispense aseptically in tubes as desired. Allow the tubes to cool in an upright position.						
Principle :						
The medium contains casein enzymic hydrolysate and peptic digest of animal tissue, which serve as source of nitrogen. Yeast extract provides additional nutritious growth factors. Dextrose is a source of carbon. Sodium bisulphite accelerates growth of organisms. Sodium chloride maintains the osmotic balance. Addition of 0.5% agar makes the medium semisolid for maintaining viability of cultures for transport and storage by providing a semisolid consistency to prevent oxygenation and spillage during transport. Addition of 5-10% defibrinated horse blood provides additional source of nutrition for growth.						
QC Tests – (I) Dehydrated Medium						
Colour :	Cream to yellow					
Appearance :	Homogeneous Free Flowing powder					
(II) Rehydrated medium						
pH (post autoclaving/heating) :	7.0 ± 0.2					
Colour (post autoclaving/heating) :	Medium amber					
Clarity (post autoclaving/heating) :	Semisolid in tube as a butt					
(III) Q.C. Test Microbiological						
Cultural characteristics observed at 35-37°C for 5 days with added sterile defibrinated sheep blood. Growth observed upon subculturing on Campylobacter Agar Base (B964).						
MICROORGANISM (ATCC)	GROWTH					
Campylobacter jejuni (29428)	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 used for transport and storage of Campylobacter species from foods.				
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
B031	33.1 g/l		15.11L	7.0 ± 0.2	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.

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.