

B357	WILKINS CHALGREN ANAEROBIC AGAR BASE		
Formula			
Ingredients :		gms/lit.	
Casein enzymic hydrolysate		10.00	
Peptic digest of animal tissue		10.00	
Yeast extract		5.00	
Dextrose		1.00	
Sodium chloride		5.00	
L-arginine		1.00	
Sodium pyruvate		1.00	
Hemin		0.005	
Menadione		0.0005	
Agar		10.00	
Final pH (at 25°C): 7.1 ± 0.2			
Directions:			
Suspend 43.0 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C before adding antibiotics to be tested. Mix gently and pour into sterile Petri plates. For cultivation of anaerobes, aseptically add the rehydrated contents of 2 vials each of Non-Spore Anaerobic Supplement (BF100) or G. N. Spore Anaerobic Supplement (BF101) as desired to the sterile molten medium before pouring into sterile Petri plates.			
Principle:			
Peptic digest of animal tissues and casein enzymic hydrolysate serve as sources of essential nutrients including carbon and nitrogen. Yeast extract provides vitamins and other growth factors like purines and pyrimidines that are essential for the growth of <i>P. melaninogenica</i> . Arginine serves as an amino acid source while pyruvate serves as an energy source. Agar is solidifying agent. The medium can be made selective for non-sporing anaerobic bacteria and gram-negative anaerobic bacteria by addition of Non-Spore Anaerobic Supplement (BF100) and G. N. Spore Anaerobic Supplement (BF101) respectively.			
QC Tests – (I) Dehydrated Medium			
	Colour:	Cream to yellow	
	Appearance:	Homogeneous Free Flowing powder	
(II) Rehydrated medium			
	pH (post autoclaving/heating):	7.1 ± 0.2	
	Colour (post autoclaving/heating):	Medium amber	
	Clarity (post autoclaving/heating):	Clear to slightly opalescent	
(III) Q.C. Test Microbiological			
	Cultural characteristics observed with added Non-Spore Anaerobic Supplement (BF100) or G.N.Spore Anaerobic Supplement (BF101) Under anaerobic conditions, after an incubation at 35-37°C of 48 hours.		
	MICROORGANISM (ATCC)	GROWTH	
	<i>Bacteroides fragilis</i> (25285)	Luxuriant	
	<i>Prevotella melaninogenicus</i> (15930)	Luxuriant	
	<i>Clostridium perfringens</i> (12924)	Luxuriant	
	<i>Escherichia coli</i> (25922)	Inhibited	
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 :	For selective isolation and cultivation of anaerobic bacteria and also for susceptibility testing of anaerobic bacteria by the agar dilution method.		
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.		

Refer disclaimer Overleaf

TECHNICAL SHEET

Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B357	43.0 g/l	11.627 L	7.1 ± 0.2	Non-spore Anaerobic (BF100) or G.N.spore anaerobic supplement(BF101).	121°C/15 min.

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.