

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B166	SABOURAUD DEXTROSE AGAR,MODIFIED (DEXTROSE AGAR BASE,EMMONS)					
Formula						
Ingredients :			gms/lit.			
Peptone special			10.00			
Dextrose			20.00			
Agar			17.00			
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 23.5 gms. in 500 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Aseptically add rehydrated contents of 1 vial of CC supplement (BF047) to it. Mix well and pour into sterile petri plates.						
Principle :						
Peptone special is the source of nitrogenous growth factors while dextrose provides an energy source for the growth of microorganisms. Agar is the solidifying agent.						
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) :			Light amber			
Clarity (post autoclaving/heating) :			Clear to slightly opalescent			
(III)Q.C. Test Microbiological						
Cultural characteristics observed with added CC Supplement, Modified (BF047) after an incubation at 25-30°C for 2-3 weeks..						
MICROORGANISM (ATCC)		GROWTH W/ CC SUPPLEMENT				
Aspergillus niger (16404)		None-poor				
Candida albicans (10231)		None-poor				
Trychophyton rubrum (28191)		Luxuriant				
Saccharomyces cerevisiae (9763)		None-poor				
Escherichia coli (25922)		Inhibited				
Trichophyton mentagrophytes (9533)		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.				
		2. Antimicrobial agents incorporated into a medium to inhibit bacteria may also inhibit certain pathogenic fungi.				
		3. Avoid overheating a medium with an acidic pH because this often causes a soft medium.				
Use :		For selective cultivation of pathogenic fungi..				
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
B166		49g/l	10.20L	7.0 ± 0.2	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.

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.