

B1110	SABOURAUD DEXTROSE AGAR MODIFIED EMMONS					
Formula						
Ingredients :		gms/lit.				
Dextrose (Glucose)		20.00				
Peptone, special		10.00				
Agar		17.00				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 23.5 grams in 500 ml purified / 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 the rehydrated contents of 1 vial of CC Supplement (BF047) or CC Supplement, modified (BF167). Mix well before pouring in sterile Petri plates.						
Note: Avoid undue exposure to heat which encourages hydrolysis of components.						
Principle :						
Peptone special is the source of nitrogenous growth factors. Dextrose provides as an energy source. The addition of antibiotics increases the selectivity of the medium. Chloramphenicol is inhibitory to a wide range of gram negative and gram-positive bacteria, and amphotericin B is an antifungal agent that is active against saprophytic fungi and does not inhibit yeast or dermatophytes.						
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				
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. Further biochemical tests must be carried out for confirmation.						
Use:						
It is used 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
B1110		47g/l	10.638L	7.0 ± 0.2	CC Supplement, (BF047) or CC Supplement, modified(BF167)	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 BIOMARK LABORATORIES publications.

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