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)	121^0C / 15 minutes

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