B917	**ADAMS AGAR**
Formula	
Ingredient:	**gms/lit.**
Dextrose	0.40
Sodium acetate	2.30
Agar	20.00
Final pH (at 25°C): Self	
Directions:	
Suspend 22.7 gms. in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in test tubes. Sterilize by autoclaving at 108-112°C for 15 minutes. Allow the tubes to solidify in slanted position.	
Principle:	
Dextrose in the medium stimulates sporulation. Acetate and dextrose are used as a carbon sources.	
QC Tests – (I)Dehydrated Medium	
Colour:	Off white-light yellow
Appearance:	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	Self
Colour (post autoclaving/heating):	Yellow
Clarity (post autoclaving/heating):	Opalescent
(III)Q.C. Test Microbiological	
Cultural characteristics observed after 18 –48 hrs. at 30°C.	

MICROORGANISM (ATCC)	GROWTH	SPORULATION
Saccharomyces cerevisiae (9763)	luxuriant	positive
Aspergillus brasiliensis (16404)	luxuriant	negative
Candida albicans (10231)	luxuriant	negative
Penicillium notatum (10108)	luxuriant	negative

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 examining sporulation in yeasts.
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
B917	22.7 g/l	22.03 L	Self	Nil	108-112°C / 15 minutes

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