

B842	ASPARAGINE BROTH (COCCIDIODIN AND HISTOPLASMIN BROTH)				
Formula					
Ingredients :		gms/lit.			
L-asparagine		7.00			
Ammonium chloride		7.00			
Dipotassium phosphate		1.31			
Sodium citrate		0.90			
Magnesium sulphate		1.50			
Ferric citrate		0.30			
Dextrose		10.00			
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 28.01 grams in 1000 ml distilled water containing 25 ml glycerol. Mix thoroughly and then dispense in a wide bottom flask, to give a depth of 1 to 1.5 inches. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
The amino acid asparagine, favors the synthesis of antigens from <i>Histoplasma</i> and <i>Coccidiodes</i> . Salts included in the medium buffer the medium well. Dextrose and slightly acidic pH of the medium helps for the luxuriant growth of the fungi.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Off white to yellow			
	Appearance :	Homogeneous Free Flowing powder (Powder has tendency to form soft lumps, which can be easily broken down to powder form)			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	6.8 ± 0.2			
	Colour (post autoclaving/heating) :	Light Yellow to yellow			
	Clarity (post autoclaving/heating) :	Clear solution			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed with added glycerol, after an incubation at 35-37°C for 1 week.				
	MICROORGANISM (ATCC)		GROWTH		
	Coccidioides immitis		Luxuriant		
	Histoplasma capsulatum (10230)		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.				
Use:	For the preparation of Coccidiodin and Histoplasmin antigens for immunodiagnostic work.				
Storage :	Dehydrated medium and prepared medium – Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B842	28.01 g/l	17.85 L	6.8 ± 0.2	Glycerol	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.

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