

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, favours the synthesis of antigens from Histoplasma and Coccidioides . 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 :	Light yellow to light amber				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	6.8 ± 0.2				
Colour (post autoclaving/heating) :	Light amber to Light Yellow				
Clarity (post autoclaving/heating) :	Clear solution with brownish precipitate.				
(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 Coccidioidin and Histoplasmin antigens for immunodiagnostic work.				
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
B842	28.0 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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