

**TECHNICAL SHEET**

<b>B185</b>	<b>BIRD SEED AGAR (STAIBS MEDIUM)</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
		<b>gms/lit.</b>			
Guizotia abyssinica seeds	70.00				
Creatinine	0.78				
Dextrose	10.00				
Chloramphenicol	0.05				
Agar	20.00				
Final pH (at 25°C) : 6.7 ± 0.2					
<b>Directions :</b>					
Suspend 10.08 grams in 99 ml 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°C and add 100 mcg diphenyl per ml of medium (1 ml of sterile 1% w/v aqueous solution of dipehnyl). Mix well and pour into sterile Petri plates.					
<b>Principle :</b>					
Guizotia abyssinica seeds, creatinine and dextrose provide nutrients for the growth of C. neoformans. Chloramphenicol inhibits the bacteria as well as rapidly growing molds that often overgrow the slow-growing dimorphic fungi.					
<b>QC Tests – (I) Dehydrated Medium</b>					
	Colour :	Light yellow to light brown			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
	pH (post autoclaving/heating) :	6.7 ± 0.2			
	Colour (post autoclaving/heating) :	Medium amber			
	Clarity (post autoclaving/heating) :	Opalescent gel			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after an incubation at 30°C for 2 weeks.					
	MICROORGANISM (ATCC )	GROWTH	COLOUR OF COLONY		
	Cryptococcus neoformans (32045)	Good	brownish yellow pigment		
	Staphylococcus aureus (25923)	Inhibited	--		
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>	It is used for selective isolation and differentiation of Cryptococcus neoformans from other Cryptococcus species and yeasts.				
<b>Storage :</b>	Dehydrated medium- between 15-25°C Prepared medium – Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B185</b>	100.83 g/l	4.958 L	6.7 ± 0.2	100 mcg diphenyl per ml of medium	115°C/15 minutes.

**Disclaimer:**

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