

B438	BRAIN HEART INFUSION WITH PABA & AGAR				
Formula					
Ingredients :		gms/lit.			
Calf brain,infusion from		200.00			
Beef heart infusion from		250.00			
Proteose peptone		10.00			
Sodium chloride		5.00			
Dextrose		2.00			
Disodium phosphate		2.50			
p-Amino benzoic acid (PABA)		0.05			
Agar		1.00			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 38 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.					
Principle :					
Infusion from Beef Heart, Calf Brains and Proteose Peptone provide nitrogen, carbon, sulfur and vitamins in Brain Heart Infusion media. Dextrose is a carbon energy source that facilitates organism growth, Sodium Chloride maintains the osmotic balance of the medium. Disodium Phosphate is a buffering agent. Brain Heart Infusion w/PABA and Agar contains p-aminobenzoic acid (0.05 g/l) to neutralize sulfonamides in the blood of patients receiving this therapy. This formulation will also inactivate streptomycin in the ratio of 10ml of medium to 100 units of streptomycin. The addition of 0.1% agar to Brain Heart Infusion w/PABA and Agar provides optimum conditions for aerobic organisms, microaerophiles and obligate anaerobes.					
QC Tests - (I)Dehydrated Medium					
	Colour :	Cream to light beige			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	7.4 ± 0.2			
	Colour (post autoclaving/heating) :	Light yellow to light amber			
	Clarity (post autoclaving/heating) :	Clear to very slightly opalescent			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 18 -24 hrs at 35-37°C in presence of added 0.5 gms. sulphadiazine per litre.				
	MICROORGANISM (ATCC)	GROWTH			
	*Candida albicans (10231)	Good - luxuriant			
	Streptococcus pyogenes (19615)	Good - luxuriant			
	*Bacteroides fragilis (25285)	Good - luxuriant			
	Streptococcus pneumoniae (6303)	Luxuriant			
	Neisseria meningitidis (13090)	Luxuriant			
	Key				
	: * = incubated anaerobically.				
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 :	B438: For improved growth of pathogens from patients undergoing sulphonamide treatment.				
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
B438	38g/l	13.157L	7.4 ± 0.2	NIL	121°C / 15 minutes