PP002	**Brain Heart Infusion Agar Plate**			
Formula				
Ingredients:		**gms/lit.**		
Calf brain infusion powder		12.50		
BHI powder		5.00		
Proteose peptone		10.00		
Dextrose		2.00		
Sodium chloride		5.00		
Disodium phosphate		2.50		
Agar		15.00		
Final pH (at 25°C): 7.4 ± 0.2				
Directions:				
Label the ready to use plate (PP002). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.				
Principle:				
Brain Heart Infusion Agar is highly nutritious and can support luxuriant growth of wide variety of microorganisms. It is a general-purpose medium used for primary isolation of aerobic bacteria from clinical specimens. Proteose peptone and infusions used in the media serves as sources of carbon, nitrogen, vitamins, amino acids, along with essential growth factors. Dextrose is the energy source. Sodium chloride maintains the osmotic equilibrium of the medium while disodium phosphate buffers the medium. Agar is solidifying agents.				
(I) QC Tests				
	pH:	7.4 ± 0.2		
	Color:	Light Amber coloured medium		
	Appearance:	Sterile Brain Heart Infusion Agar in 85mm disposable plates.		
(II)Sterility test		Passes release criteria		
(III)Q.C. Test Microbiological				
	Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.			
	MICROORGANISM (ATCC)	INOCULUM	GROWTH	RECOVERY
	Candida albicans 26790	50-100	luxuriant	>=70%
	Escherichia coli 25922	50-100	luxuriant	>=70%
	Shigella flexneri 12022	50-100	luxuriant	>=70%
	Staphylococcus aureus 25923	50-100	luxuriant	>=70%
	Streptococcus pneumoniae 6303	50-100	luxuriant	>=70%

Refer disclaimer Overleaf

Precautions :	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
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 cultivation of fastidious pathogenic bacteria, yeasts and molds.
Storage:	Store between 2-8°C. Use before expiry date on the label.
Packing:	20/50 disposable plates.

Rev: January2025