SB001	**Brain Heart Infusion Agar**
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:

Brain Heart Infusion Agar is a ready to use solid media in glass bottle. The medium is pre-sterilized; hence it does not need sterilization. Medium in the bottle can be melted either by using a pre-heated water bath or any other method. Slightly loosen the cap before melting. When complete melting of medium is observed dispense the medium as desired and allowed to solidify.

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 glass bottle containing slightly opalescent Brain Heart Infusion Agar.
(II)Sterility test		Passes release criteria
(III)Q.C. Test Microbiological		

Cultural characteristics after melting the medium and pouring into sterile petri plates. The plates are inoculated with following test organisms and 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 moulds.
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	100ml/500ml disposable plates.