

**TECHNICAL SHEET**

<b>PP002</b>	<b>Brain Heart Infusion Agar Plate</b>		
<b>Formula</b>			
<b>Ingredients:</b>	<b>gms/lit.</b>		
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			
<b>Directions:</b>			
Label the ready to use plate (PP002). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.			
<b>Principle:</b>			
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.			
<b>(I) QC Tests</b>			
pH:	7.4 ± 0.2		
Color:	Light Amber coloured medium		
Appearance:	Sterile Brain Heart Infusion Agar in 85mm disposable plates.		
<b>(II) Sterility test</b>			
Passes release criteria			
<b>(III) Q.C. Test Microbiological</b>			
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

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<b>Precautions :</b>	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
<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>	For cultivation of fastidious pathogenic bacteria, yeasts and molds.
<b>Storage:</b>	Store between 15-25°C. Use before expiry date on the label.
<b>Packing:</b>	20/50 disposable plates.

**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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