

BRAIN HEART INFUSION AGAR

General purpose medium in powder and ready to use,
for the cultivation of fastidious and non-fastidious microorganisms.

Typical formula (g/L)

Brain infusion solids	12.5
Beef heart infusion solids	5.0
Peptocomplex	10.0
Glucose	2.0
Sodium Chloride	5.0
Disodium Hydrogen Phosphate	2.5
Agar	15.0

BRAIN HEART INFUSION BROTH

General purpose medium in powder and ready to use, for the cultivation of fastidious and non-fastidious microorganisms.

Typical formula (g/L)

Brain infusion solids	12.5
Beef heart infusion solids	5.0
Peptocomplex	10.0
Glucose	2.0
Sodium Chloride	5.0
Disodium Hydrogen Phosphate	2.5

Directions

Suspend 52 g of BHI Agar or 37 g of BHI Broth in 1000 mL of cold distilled water. Heat to boiling, distribute and sterilise by autoclaving at 121 °C for 15 minutes.

Final pH 7.4 ± 0.2

Description

Brain Heart Infusion Agar and Broth are media for the cultivation of a wide variety of microorganisms, including fastidious organisms, moulds and yeasts. With the addition of penicillin (20 I.U./mL) and streptomycin (40 I.U./mL) the media become selective for pathogenic fungi, the growth of bacteria and many saprophytic fungi, being retarded and/or inhibited. Brain Heart Infusion Agar and Broth are especially recommended for the cultivation of streptococci, pneumococci and meningococci, and for the preparation of Castaneda biphasic blood-culture bottles. With the addition of 10% horse blood and the agar concentration of 2%, BHI Agar supports the growth of *Histoplasma capsulatum* and *Coccidioides immitis* very well. BHI Agar contains 2% glucose, so that plates containing defibrinated blood the microorganisms show no haemolytic activity.

BHI Broth is recommended for the preparation of the culture of *S.aureus* to be used for coagulase test.

User quality assurance (18-24 h -35°C)

Productivity control

S.aureus ATCC 25923*: growth

E.coli ATCC 25922*: growth

*NCCLS M22-A3 recommended strains.

Storage

Dehydrated media: 10-30 °C

Ready to use plates, tubes and flasks: 2-8 °C

User prepared plates and tubes: 1 month at 2-8 °C

Reference

- CLSI document M22-A3, 2004. Quality Control for Commercially prepared Microbiological Culture Media; -3rd ed.; Approved Standard.

Packaging

4012352	BHI Agar,	500 g (9.6 L)
4012354	BHI Agar,	5 kg (96 L)
541235	BHI Agar,	20 ready to use plates
511235	BHI Agar,	6 x 100 ml bottles
4012302	BHI Broth.	500 g (13.5 L)
4012304	BHI Broth.	5 kg (135 L)
551230	BHI Broth,	20 x 9 ml ready to use tubes (18 x 140 mm)
521230P	BHI Broth,	24 x 3 ml ready to use tubes (15 x 45 mm)