

## BRAIN HEART INFUSION AGAR

A highly nutritious medium for the cultivation of fastidious micro-organisms.

Dehydrated media	
Code number:	500 g: BHA20500, 5 kg: BHA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,2 – 7,6

**Direction:** Suspend **50 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

**Direction for Vancomycin Screen Agar:** Suspend **25 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of Vancomycin (3 mg) Supplement (VSS80004-03)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Prepared media	
Bottled media:	100 ml: BHA30100, 500 ml: BHA30500
Plated Brain Heart Infusion Agar:	55 mm: BHA50055, 90 mm: BHA50090
Plated Vancomycin Screen Agar:	55 mm: BHA50055-01, 90 mm: BHA50090-01
Colour:	Yellowish
pH (25 °C):	7,3 – 7,5

**Direction:** If necessary, supplement may be added to the melted bottled media according to the direction of the dehydrated media. Dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

### FORMULA in g/l

Nutrient substrate (brain + heart infusion, peptones)	27,5
Glucose	2,0
Sodium chloride	5,0
Buffers	2,5
Agar	13,0

**Note:** The typical formula can be adjusted to obtain optimal performance.

**Storage conditions:** Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

#### Quality control:

<b>Test strains BHA</b>	Incubation temp: 37 °C	<b>Growth</b>	Incubation time: 24 h
<i>Streptococcus pneumoniae</i> ATCC 49619		Good (under micro-aerobic conditions)	
<b>Test strains BHA-01</b>	Incubation temp: 37 °C	<b>Growth</b>	Incubation time: 24 h
<i>Enterococcus faecalis</i> ATCC 51299		Good	
<i>Enterococcus faecalis</i> ATCC 29212		Inhibited	

**References:** Lenette et al. (1985) Manual of Clinical Microbiology, 4<sup>th</sup> ed.

**In vitro diagnostic – for professional use only!**