

## Brain Heat Infusion (BHI) Broth Cat no. TT 151

**Pkg:** Tubes containing 9 - 30ml or bottles (plastic / septum cap) Containing 80 – 400 ml

**Exp. Date:** Printed on Label and on the item

**Required materials not supplied:** Laboratory equipment as required

### Purpose

Brain Heat Infusion Broth is highly nutritious and is recommended for the propagation of a variety of fastidious and nonfastidious microorganisms.

BHI broth is recommended as a pre- enrichment step for increasing the identification sensitivity.

BHI broth contains beef heart and calf brain infusions and peptone to supply amino acids, mineral, vitamins and other nutrients. Sodium chloride maintains the osmotic balance and glucose serves as carbon source.

### Composition

Ingredients Gms / Litre\*:

Glucose 2, Sodium chloride 5, Sodium hydrogen phosphate 2.5, Gelatin peptone 10,  
Calf brain infusion 7.5, Beef heart infusion 10.

\*Formula adjusted, standardized to suit performance parameters

### Appearance

Light amber colored, clear to opalescent solution

**Final pH** (at 23-25°C) 7.4 ±0.2

### Procedure

1. Surface sampling
  - 1.1. Wipe the target surface (work surface, skin, coat) with a swab/sponge.
  - 1.2. Transfer the swab/sponge to BHI Broth.
2. Liquid specimens
  - 2.1. Inoculate the BHI broth with 1-2 drops

### Cultural Response

Cultural characteristics observed after an incubation at 33-37°C for 18-24 hours according to product's SOP

### Growth (Turbidity)

### Storage

2-8°C

### Waste Disposal

After interpretation all tubes should be destroyed by standard incineration methods.