

# BRAIN HEART INFUSION BROTH (2 ML)

**INTENDED USE:**

A highly nutritious infusion medium recommended for the cultivation of streptococci, Neisseria and other fastidious organisms.

**PRINCIPLE AND INTERPRETATION:**

The nutritionally rich base of Beef heart and Calf brain infusions and Peptone mixture provide nitrogen, vitamins, minerals and amino acids essential for growth of a variety of microorganisms. Dextrose is the carbon energy source and Sodium chloride maintains the osmotic balance.

**COMPOSITION:**

Ingredients	Gr/Liter
Brain infusion solids	12,5 gr
Beef heart infusion solid	5 gr
Proteose peptone	10 gr
Glucose	2 gr
Sodium chloride	5 gr
Disodium phosphate	2,5 gr

\*\*\*Formula adjusted, standardized to suit performance parameters

pH: 7,4 ± 0,2

**PRECAUTIONS:**

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

**TEST PROCEDURE:**

Incubation at a temperature of 35±2°C and observed after 24-72 hours.

**QUALITY CONTROL:****1.Sterility Control:**

Incubation 48 hours at 30-35°C and 48 hours at 20-25°C: NO GROWTH

**2.Physical/Chemical Control**

pH: 7,4 ± 0,2

**Appearance:** Straw coloured solution.

**3.Microbiological Control:** Incubation at a temperature of 35±2°C and observed after 24-72 hours.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Escherichia coli ATCC 25922	10-100	Good	Good
Staphylococcus aureus ATCC 25923	10-100	Good	Good
Streptococcus pyogenes ATCC 19615	10-100	Good	Good
Enterococcus faecalis ATCC 29212	10-100	Good	Good

**LIMITATIONS OF THE PROCEDURE:**

This medium is less suited for identifying hemolytic forms when blood has been added due to its glucose content.

**STORAGE CONDITIONS AND SHELF LIFE:**

Store the prepared medium at 2- 12°C. Use before expiry date on the label.Do not use beyond stated expiry date.

## DISPOSAL:

Incubated medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected tube should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

## PACKAGING:

**Katalog Number:** 01089

**Content/Packaging:** 50 Tubes/Box

## REFERENCES:

1. Rosenow, Dental Research, 1, 205 (1919)
2. Rosenberg T. et al, J. Inf. Dis., 74, 131 (1944)
3. Mc Faddin J.F., Media for Isolation-Cultivation-Identification-Maintenance of medical Bacteria, Vol. I, Williams and Wilkins, Baltimore (1985)



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature  
Limitation



Do not reuse



Contains sufficient  
for <n> tests



Look at user manual



Manufacturer