

BRAIN HEART INFUSION BROTH (7 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 plates 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

Apperance: Straw

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: 01084

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