**Brain Heart Infusion Broth**

|  |  |  |
| --- | --- | --- |
| **Product No.** | **Product Category** | **Specification** |
| HCM019 | Dehydrated Culture Medium | 500g/bottle |

**Intended Use**

For the cultivation of various fastidious, pathogenic microorganisms including yeasts and molds.

**Principle and Interpretation**

Peptone and Dehydrated calf brain infusion and Dehydrated beef heart infusion provide nitrogen sources, vitamins, and growth factors; Glucose can provide energy for various bacteria; Sodium chloride maintains a balanced osmotic pressure; Sodium dihydrogen phosphate as a buffering agent.

**Formulation**

|  |  |
| --- | --- |
| **Ingredients** | **/liter** |
| Dehydrated calf brain infusion | 12.5g\* |
| Dehydrated beef heart infusion | 5.0g\*\* |
| Enzymatic digest of animal tissues (Peptone) | 10.0g |
| Sodium chloride | 5.0g |
| Glucose | 2.0g |
| Disodium hydrogen phosphate | 2.5g |
| pH7.4±0.2 at 25°C |

\*Equivalent to calf brain, infusion from 200g, \*\* Equivalent to beef heart, Infusion from 250g.

**Preparation**

Dissolve 37 g in 1 liter distilled water. Sterilize by autoclaving at 121°C for 15 minutes.

**Quality Control**

Cultural characteristics observed after incubation at 35-37°C for 24hours

|  |  |
| --- | --- |
| **Quality control strains** | **Growth** |
| *Staphylococcus aureus*  ATCC6538 | good |

**Storage and Shelf Life**

2-30℃，Keep container tightly closed, avoid direct sunlight.

Use before expiry date on the label.

 **Precautions**

1. When weighing the dehydrated medium, please wear masks to avoid causing respiratory system discomfort

2. Keep container tightly closed after using to prevent clumping.

**Waste Disposal**

Microbiological contamination was disposed by autoclaving at 121°C for 30 minutes.

**Revision**

On June 14, 2024

**References**

ISO 6888-1 2020

BAM Media M24