**Brain Heart Infusion Agar**

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|  **Product No.** | **Product Category** | **Specification** |
| HCM105 | Dehydrated Culture Medium | 500g/bottle |
| 028361 | Dehydrated Culture Medium | 250g/bottle |

**Intended Use**

For the cultivation of a wide variety of fastidious organisms.

**Principle and Interpretation**

The peptones and infusion are sources of organic nitrogen, carbon, sulfur, vitamins and trace substances. Glucose is a carbohydrate source that microorganisms utilize by fermentative action. The medium is buffered through the use of disodium phosphate.

**Formulation**

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| **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 |
| Agar  | 15.0g |
| pH7.4±0.2 at 25°C |

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

**Preparation**

Weigh 52g of dry powder of this product, add 1L of distilled water or deionized water, stir, heat and boil until completely dissolved, sterilize at 121℃ for 15min, cool to room temperature and set aside.

**Quality Control**

The following quality control strains were inoculated and cultured at 35-37℃ for 24h. The results are as follows:

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| **Quality control strains** | **Standard value** | **Characteristic reaction** |
| *Streptococcus pyogenes* ATCC21059 | PR≥0.7 |  Grayish white colonies |
| *Enterococcus faecalis* ATCC29212 | Grayish white colonies |
| *Escherichia coli* ATCC25922 | Grayish white colonies |

**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