**Lactose Broth**

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| **Product No.** | **Product Category** | **Specification** |
| HCM055 | Dehydrated Culture Medium | 500g/bottle |

**Intended Use**

For pre-enriching *salmonella* spp and using in the presumptive test for members of the coliform group in water, milk and other material.

**Principle and Interpretation**

Peptone and beef extract powder provides carbon, nitrogen, vitamins, growth factors; lactose as fermentable sugars.

**Formulation**

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| **Ingredients** | **/liter** |
| Beef extract powder | 3.0g |
| Peptone | 5.0g |
| Lactose | 5.0g |
| pH6.9±0.2 at 25°C | |

**Preparation**

Suspend 13g, add in 1L of distilled water ,autoclave at 121℃ for 15 minutes.

**Quality Control**

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

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| **Quality control strains** | **Characteristics** |
| *Escherichia coli* ATCC25922 | Turbid growth, acid and gas |
| *Salmonella typhimurium* ATCC14028 | Turbid growth, without gas |

**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**

APHA, American Water Works Association and Water Pollution Control Federation, Standard Methods for the Examination of Water and Wastewater 20th ed., Washington, 1998.

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