**LB Agar(with sugar)**

|  |  |  |
| --- | --- | --- |
| **Product No.** | **Product Category** | **Specification** |
| HCM330 | Dehydrated Culture Medium | 500g/bottle |
| 028330 | Dehydrated Culture Medium | 250g/bottle |

**Intended Use**

For the cultivation of *E. coli* in fermentation and molecular genetic studies.

**Principle and Interpretation**

Peptone provides nitrogen . Vitamins (including B vitamins) and certain trace elements are provided by yeast extract. Glucose provides carbon.Sodium ions for transport and osmotic balance are provided by sodium chloride. Agar is the solidifying agent.

**Formulation**

|  |  |
| --- | --- |
| **Ingredients** | **/liter** |
| Peptone | 10.0g |
| Yeast extract | 5.0g |
| Sodium chloride | 5.0g |
| Glucose | 1.0g |
| Agar | 15.0g |
| pH7.0±0.2 at 25°C |

**Preparation**

Suspend 36g in 1 litre of distilled water. Bring to a boil to dissolve completely. Sterilize by autoclaving at 121°C for 15minutes.

**Quality Control**

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

|  |  |
| --- | --- |
| **Quality control strains** | **Growth** |
| *Escherichia coli*  ATCC25922 | 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