**HCM175 Tryptone Glucose Extract Agar（TGEA）**

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| **Product No.** | **Product Category** | **Specification** |
| HCM175  | Dehydrated Culture Medium | 500g/bottle |

**Intended Use**

For bacterial counting and cultivation in water, milk, and other dairy products.

**Principle and Interpretation**

Tryptone and beef extract provide nitrogen sources, vitamins, and growth factors. Glucose providescarbon source. Agar is a coagulant.

**Formulation**

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| **Ingredients** | **/liter** |
| Tryptone | 5.0g |
| Beef extract  | 3.0g |
| Glucose | 1.0g |
| Agar | 15.0g |
| pH 7.0±0.2 at 25°C |

**Preparation**

Suspend 24.0g in 1 L distilled or deionized water. Heat with frequent agitation and boil to completely dissolve the powder. Distribute into flasks. Autoclave at 121℃ for 15 minutes.

**Quality Control**

Cultural characteristics after 24 hours at 35-37°C.

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| **Quality control strains** | **Recovery** |
| *Escherichia coli* ATCC25922 | *PR*≥0.7 |
| *Staphylococcus aureus*ATCC6538 |
| *Pseudomonas aeruginosa* ATCC27853 |
| *Bacillus subtilis*ATCC6633 |

**Storage and Shelf Life**

Keep container tightly closed, store in a cool, dry place, away from bright light.

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 December 1, 2024

**References**

USP

FDA BAM