Yeast Extract

Product information

Product Description

Yeast Extract is a highly refined nutrient source derived from protein-rich edible yeast. Manufactured through advanced biotechnological processes—including autolysis, enzymatic digestion, separation, and concentration—this product effectively degrades yeast cell proteins and nucleic acids into a highly soluble paste or powder.

As a primary ingredient in the formulation of microbial culture media, it provides an exhaustive nutritional profile consisting of peptides, amino acids, flavor nucleotides, B-complex vitamins, and essential trace elements. These components work synergistically to support robust microbial growth and metabolic activity.

Storage and Handling

Storage: Maintain in a cool, dry environment to ensure stability.

Shelf Life: Valid for 36 months from the date of manufacture when stored under recommended conditions.

Shipping: Suitable for transport at ambient room temperature.

Safety Information:

Always wear appropriate lab coat, gloves and googles. Please consult the Material Safety Data Sheet (MSDS) for more information.

This product is intended for research only.

Application Protocol: LB Medium Preparation

Yeast Extract is a fundamental component of Luria-Bertani (LB) Medium. To prepare 1 liter of standard LB medium, adhere to the following formulation:

Component	Quantity
Tryptone	10 g
Yeast extract	5 g
NaCl	10 g
Deionized water	Up to 1L

1. Combine the dry components with 1 L of distilled or deionized water.
2. Agitate the solution until all reagents are completely dissolved.
3. Sterilize via autoclaving at 121°C for 30 minutes.

Product Description	Catalog No.
Yeast Extract (500 g)	YE-500
Yeast Extract (1 Kg)	YE-1KG
Yeast Extract (5 Kg)	YE-5KG

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