

Technical Data Sheet

Yeast extract powdered

for molecular biology

Order number: 1064

Yeast extract is the dried, water-soluble part of autolyzed yeast cells (*Saccharomyces* spp.), i.e., it corresponds to the entire cell content without the cell wall. Proteins and nucleic acids were hydrolyzed by the yeast's own enzymes. The autolysate is therefore rich in amino acids, small peptides, carbohydrates, nucleotides, trace elements and vitamins, especially water-soluble vitamin B complexes.

The liquid autolysate respectively hydrolysate is further freed from the insoluble cell components, filtered, concentrated and spray-dried.

Application

In the field of life sciences, yeast extract is used to grow microorganisms. Yeast extract is an excellent source of nutrients and promotes the growth of a wide variety of bacteria. Yeast extract is therefore an important component of many microbiological culture media and nutrient media. For example, it is a component of LB medium, one of the most important culture media in the field of molecular genetics. As a media component, yeast extract is usually used in a concentration of about 0.5%.

Storage and Stability

Yeast extract powder should be stored at room temperature and tightly closed. With proper storage, the powder can be kept for many years.

Caution: Yeast extract is hygroscopic and forms lumps quickly.

Related products

- 1110 Agarose Basic for molecular biology
- 1531 DNA Marker 1 kb (lyophilized) for molecular biology
- 1254 Ethidium bromide - Solution 0.07 % dropping bottle for electrophoresis
- 1321 LB Agar powder according to Miller for molecular biology
- 1317 LB Agar powder according to Lennox for molecular biology
- 1308 LB Medium powder according to Lennox for molecular biology
- 1311 LB Medium powder according to Miller for molecular biology

