CREATIVE BIOMART®
Assay Kit

Trehalose Content Assay Kit

Product Information

Product Overview

This assay employs the anthrone colorimetric method, which is rapid, sensitive, and suitable for micro-sample analysis. However, soluble sugars may interfere with the measurement. This kit is recommended for samples containing trehalose but no other soluble sugars.
Trehalose is widely present in bacteria, algae, yeast, plants, insects, and other invertebrates. Due to its unique biological properties, trehalose protects cellular proteins, lipids, carbohydrates, and nucleic acids under harsh conditions such as drought, heat, dehydration, freezing, high osmotic pressure, and toxic environments.

Size

50t/48s

Storage

Store at 2–8 °C. Shelf life: 6 months.

Detection method Spectrophotometer

Materials Required but Not Supplied

Visible spectrophotometer, water bath, adjustable pipettes, 1 mL glass cuvettes, mortar, concentrated sulfuric acid, distilled water.

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