CREATIVE BIOMART®
Assay Kit

Invertase Activity Colorimetric Assay Kit

Product Information

Cat.No. Kit-0478

Product Overview

Invertase Activity Assay Kit (Colorimetric) is used to measure Invertase activity.

Description

Invertase (EC 3.2.1.26), also known as sucrase or β-fructofuranosidase, catalyzes the hydrolysis of sucrose (table sugar) by cleaving its glycosidic bond and forming one molecule each of glucose and fructose. Invertase is widely expressed among plants and microorganisms including yeast and bacteria. It is extensively utilized in industrial processes, including food, ethanol production, cosmetics, drugs, paper and bioelectronics electrodes. The Invertase Activity Assay Kit (Colorimetric) provides a simple, sensitive and high-throughput adaptable assay that detects relevant concentrations of Invertase in biological samples or purified/crude enzyme preparations. The assay is based on the enzymatic detection of glucose, one of the hydrolysis products. Detection limit: 20 μU.

Applications

Measurement of Invertase activity in various biological samples/preparations.

Target Species

Bacteria, Mammals

Usage

For research use only (RUO)

Storage

Store kit at -20°C, protected from light.

Kit Components

Invertase Hydrolysis Buffer 25 mLInvertase Assay Buffer 25 mLInvertase Stop Solution 1 mLOxiRed Probe (in DMSO) 0.2 mLInvertase Enzyme Mix (Lyophilized) 1 vialInvertase Substrate 1.2 mLGlucose Standard (100 mM) 100 μLPositive Control (Lyophilized) 1 vial

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Detection method Colorimetric

Compatible Sample Types

Biological fluids: e.g. SalivaBacteriaCrude/purified enzyme preparations

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