

Invertase Assay Kit

Product Information

Cat

Kit-2438

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Product Overview

Invertase (β -fructofuranosidase, EC 3.2.1.26) is an enzyme that catalyzes the hydrolysis of sucrose to fructose and glucose. Invertases cleave at the O-C(fructose) bond, whereas a related enzyme sucrase (EC 3.2.1.48) cleaves at the O-C(glucose) bond. A wide range of microorganisms produce invertase and can, thus, utilize sucrose as a nutrient. Invertase assay finds wide applications in environmental (e.g. soil), agricultural and food (confectionery) industry. Invertase Assay Kit provides a convenient and ultra-sensitive colorimetric and fluorimetric means to measure invertase activity. In the assay, invertase cleaves sucrose, resulting in the formation of fructose and glucose, which is determined by a colorimetric (570nm) or fluorimetric method ($\lambda_{ex/em} = 530/585\text{nm}$). The assay is simple, sensitive, stable and high-throughput adaptable.

Storage

4, -20°C

Shipping

On Ice

Size

100 tests

Detection method OD570nm, or FL530/585nm

Compatible Sample Types

Biological, environment (soil) etc

Features & Benefits

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Invertase Assay Kit

Safe. Non-radioactive assay.

Sensitive and accurate. As low as 0.007 U/L invertase activity can be quantified.

Homogeneous and convenient. "Mix-incubate-measure" type assay. No wash and reagent transfer steps are involved.

Robust and amenable to HTS: can be readily automated on HTS liquid handling systems for processing thousands of samples per day.

Assay time

40 min

Sensitivity

0.007 U/L
