CREATIVE BIOMART®
Assay Kit

Invertase Assay Kit

Product Information

Cat

Kit-2438

Cat.No. Kit-2438

Product Overview

Invertase (b-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 (λex/em = 530/585nm). 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

Safe. Non-radioactive assay.
Sensitive and accurate. As low as 0.007 U/L invertase activity can be quantified.

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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

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