

## Invertase Assay Kit

### Product Information

**Cat**

Kit-2438

**Cat.No.**

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### 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 ( $\lambda_{\text{ex/em}} = 530/585\text{nm}$ ). 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**

## 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.

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### Assay time

40 min

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### Sensitivity

0.007 U/L

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