Invertase Activity Colorimetric Assay Kit

Cat. No. Kit-0478 **Lot. No.** (See product label)

SPECIFICATION

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

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	(Lyophilized) 1 vial
Detection method	Colorimetric
Compatible Sample Types	Biological fluids: e.g. SalivaBacteriaCrude/purified enzyme preparations

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