

Beta Galactosidase (β-Gal) Activity Assay Kit (Fluorometric)

Cat. No. Kit-1093 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

Beta Galactosidase (β -Gal, EC: 3.2.1.23) is an enzyme which hydrolyzes the β -galactosides into monosaccharanides. β -Gal is widely used as a reporter gene in the field of molecular biology. Senescence Associated β -Gal (SA- β -Gal) is an isoform of β -Gal which has the optimal activity at pH 6.0, and is mostly used as a biomarker for senescent cells. β -Gal is an essential enzyme in humans and its deficiency results in Morquio's Syndrome, a severe birth defect. Beta Galactosidase Activity Assay kit provides a quick and easy way for monitoring Beta Galactosidase activity in a variety of samples. In this kit, Beta Galactosidase hydrolyses a non-fluorescent substrate to generate a strong fluorescent product. The assay is simple, sensitive, and high-throughput adaptable. Detection limit: < 0.1 mU.

Applications

Measurement of β -Galactosidase activity in various samples

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

β -Gal Assay Buffer; β -Gal Substrate (in DMSO); Fluorescein Standard (1 mM); β -Gal Positive Control

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Detection method	Fluorescence (Ex/Em = 480/520 nm)
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Features & Benefits	Quick and easy method to measure Beta Galactosidase activity. Detection limit: < 0.1 mU
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