CREATIVE BIOMART®
Assay Kit

Lactase/Beta-Galactosidase Activity Assay Kit

Product Information

Product Overview

Significance of Measurement: β-Galactosidase (β-GAL, EC 3.2.1.23) is widely present in animals, plants, microorganisms, and cultured cells. It catalyzes the hydrolysis of β-galactosidic bonds and also exhibits transgalactosylation activity. In plants, β-GAL plays an important role in energy release, polysaccharide metabolism, cell wall remodeling, and senescence-associated cell wall degradation.
Principle of Measurement: β-GAL hydrolyzes p-nitrophenyl-β-D-galactopyranoside to produce p-nitrophenol, which exhibits a maximum absorbance at 400 nm. The increase in absorbance over time is used to calculate β-GAL activity.

Size

50t/24s

Storage

Store at -20 °C. Shelf life: 6 months.

Detection method Spectrophotometer

Materials Required but Not Supplied

Visible spectrophotometer, benchtop centrifuge, water bath, adjustable pipettes, glass cuvettes, mortar, ice, and distilled water.

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