

Double-Luciferase Reporter Assay Kit

Cat. No. KITDE-LR10 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Firefly luciferase can catalyze luciferin to form oxyluciferin and produce bioluminescence. Renilla luciferase can oxidize coelenterazine to form coelenteramide and produces bioluminescence. Double-Luciferase Reporter Assay Kit is designed to detect the double luciferase in the cells. In the first, firefly luciferase reporter gene activity will be analyzed in the presence of fluorescein. And then quench the fluorescence signal while adding the coelenterazine substrate to activate the activity of Renilla luciferase. "Dual reporter genes" are used to improve experimental accuracy and detect two independent reporter genes in a single system. It has the characteristics of rapid detection, high sensitivity, wide detection range and no interference from intracellular activity.

Size

50 tests

Storage

Store at -20°C

Applications

Study the gene expression regulation

Shipping

On Ice

Kit Components

Luciferase Reaction Buffer: 5mL
Luciferase Reaction Substrate (50X): 100uL
Luciferase Reaction Buffer II: 5mL
Luciferase Reaction Substrate II (50X): 100 uL
Cell Lysis Buffer 1X: 5mL

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**Materials Required
but Not Supplied**

PBS(1X), Grinding balls or mortar, pestle

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