



Applied Biological Materials Inc

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Luciferase Assay Kit

Store at -20°C

Cat. No.	Description	Quantity
G287	Luciferase Assay Kit	500 reactions

Product Description

The Luciferase Assay Kit is designed for the accurate and efficient determination of firefly (*P. pyralis*) luciferase gene (*luc*) expression in mammalian or bacterial cell cultures, with the substrate beetle luciferin (D-luciferin).

Kit Components

Component Name	Volume	Part No.
Luciferase Assay Reagent	10ml	G287-1
Cell Lysis Buffer	10ml	G287-2

Usage

This product is intended for use in gene expression analysis, including enhancer/promoter analysis, enzymatic screening, and transgene expression analysis. It can be used in either low- or high-throughput assays.

Protocol

1. Rinse the target cells once using 1X PBS. Do not disturb the cell monolayer.
2. Add enough Cell Lysis Buffer to cover the cell monolayer. (i.e. 20µl per well for 96-well plates, 150µl per well for 6-well plates, 1ml per 10cm culture dish)
3. Incubate at room temperature for 20 minutes.
4. Immediately after incubation, collect cell lysate and place lysate samples on ice. Add an equal volume of Luciferase Assay Reagent to the lysate sample. Pipet up and down several times to mix.
5. Measure and record the signal within 30 minutes after the addition of the Luciferase Assay Reagent with appropriate instruments.

Storage

Luciferase Assay Kit is stable for 1 year at -20°C and for 1 week at 4°C. Avoid multiple freeze-thaw cycles and direct light exposure.

For laboratory research only. Not for clinical applications.
For technical questions, phone the ABM helpline at 1-866-757-2414

or visit our website at www.abmGood.com