

# Certificate of Analysis

## LucyQ Firefly Luciferase Assay Kit

Cat No : L0010

Lot No : 03152422

TEST	Specification	Result
Component Identification	Confirmed	PASS
Label Identification	Confirmed	PASS
Firefly Luciferase Assay	Test	PASS

### Assay Condition

Firefly Luciferase Assay: Recombinant firefly luciferase is added to 1X Cell Lysis Buffer with 1mg/ml porcine gelatin and assayed with LucyQ FL Substrate reconstituted in LucyQ FL Assay Buffer versus LucyQ FL Substrate reconstituted in a reference buffer which is optimal for firefly luciferase activity. The activity of firefly luciferase assayed in LucyQ FL Assay Buffer is at least 70% of that assayed in the reference buffer. The stability of light intensity produced from the firefly luciferase assay is measured over a five minute period. Luciferase activity remaining after five minutes is > 50% of the initial activity.

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