

## Certificate of Analysis

## Product Information

|                                                         |                                          |
|---------------------------------------------------------|------------------------------------------|
| Product name: EZ Cap™ Firefly Luciferase mRNA (5-moUTP) | Report No.: R202501019                   |
| Cat. No.: R1013                                         | Batch No.: 76                            |
| Manufacture date: Jan 15, 2025                          | Expiration date: 12 months (Provisional) |
| Quality Release Date: Jan 24, 2025                      | Storage: -40 °C or below                 |

## Molecule Data

|              |                                |
|--------------|--------------------------------|
| Length       | 1921 nt                        |
| Modification | EZ Cap™, 5-Methoxy-UTP, poly A |
| Buffer       | 1 mM Sodium Citrate, pH 6.4    |

## Analytical Data

| Test Items           | Quality Specification and Method              | Result           |
|----------------------|-----------------------------------------------|------------------|
| Appearance           | Colorless liquid                              | Colorless liquid |
| pH                   | 6.0–7.0                                       | 6.3              |
| Purity               | ≥95% ( Agarose Gel Electrophoresis )          | 100 %            |
| Concentration        | 1.0-1.4 mg/ml ( UV-Vis Spectrophotometer )    | 1.1 mg/ml        |
| A 260/280            | 1.70-2.30 ( UV-Vis Spectrophotometer )        | 1.99             |
| Bacterial endotoxins | < 10 EU/mg ( Limulus Amebocyte Lysate Assay ) | < 10 EU/mg       |
| Conclusion           | Complies with the given specifications        |                  |

Reporter/date: Jackie Wang Jan 24, 2025

Reviewer/date: Eudora Wei

Jan 24, 2025