

## Certificate of Analysis

### Product Information

|                                                                    |                                 |
|--------------------------------------------------------------------|---------------------------------|
| <b>Product Name:</b> EZ Cap™ Cy5 Firefly Luciferase mRNA (5-moUTP) | <b>Report No.:</b> R202601040   |
| <b>Cat. No.:</b> R1010                                             | <b>Batch No.:</b> 26001R1010    |
| <b>Manufacturing Date:</b> Jan 29, 2026                            | <b>Expiration Date:</b> 2 years |
| <b>Quality Release Date:</b> Jan 29, 2026                          | <b>Storage:</b> -40 °C or below |

### Molecule Data

|                     |                                         |
|---------------------|-----------------------------------------|
| <b>Modification</b> | EZ Cap™, 5-Methoxy-UTP, Cy5-UTP, poly A |
| <b>Buffer</b>       | 1 mM Sodium Citrate, pH 6.4             |

### Analytical Data

| Test Items           | Quality Specification and Method              | Result      |
|----------------------|-----------------------------------------------|-------------|
| Appearance           | Blue liquid                                   | Blue liquid |
| pH                   | 6.0–7.0                                       | 6.7         |
| Purity               | ≥95% ( Agarose Gel Electrophoresis )          | 100%        |
| Concentration        | 1.0-1.4 mg/ml ( UV-Vis Spectrophotometer )    | 1.2 mg/ml   |
| A 260/280            | 1.70-2.30 ( UV-Vis Spectrophotometer )        | 1.78        |
| Bacterial endotoxins | < 10 EU/mg ( Limulus Amebocyte Lysate Assay ) | <10 EU/mg   |
| <b>Conclusion</b>    | <b>Complies with the given specifications</b> |             |

 Reporter/date: Jackie Wang / Jan 29, 2026

 Reviewer/date: Eudora Wei / Jan 28, 2026