

## Certificate of Analysis

## Product Information

|                                                             |                                 |
|-------------------------------------------------------------|---------------------------------|
| <b>Product name:</b> EZ Cap™ Nuc-mScarlet Probe mRNA (m1 Ψ) | <b>Report No.:</b> R202510009   |
| <b>Cat. No.:</b> R1121                                      | <b>Batch No.:</b> 25001         |
| <b>Manufacture date:</b> Oct 15, 2025                       | <b>Expiration date:</b> 2 years |
| <b>Quality Release Date:</b> Oct 16, 2025                   | <b>Storage:</b> -40 °C or below |

## Molecule Data

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Length</b>       | 1152 nt                              |
| <b>Modification</b> | EZ Cap™, N1-Methylpseudo-UTP, poly A |
| <b>Buffer</b>       | 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                                       | 6.6              |
| Purity               | ≥95% ( Agarose Gel Electrophoresis )          | 97 %             |
| Concentration        | 1.0-1.4 mg/ml ( UV-Vis Spectrophotometer )    | 1.3 mg/ml        |
| A 260/280            | 1.70-2.30 ( UV-Vis Spectrophotometer )        | 2.06             |
| 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 / Oct 16, 2025

Reviewer/date:

Eudora Wei / Oct 16, 2025