

## Certificate of Analysis

### Product Information

|                                               |                                 |
|-----------------------------------------------|---------------------------------|
| <b>Product Name:</b> ARCA EGFP mRNA (5-moUTP) | <b>Report No.:</b> R202501015   |
| <b>Cat. No.:</b> R1007                        | <b>Batch No.:</b> 35            |
| <b>Manufacturing Date:</b> Jan 16, 2025       | <b>Expiration Date:</b> 2 years |
| <b>Quality Release Date:</b> Jan 24, 2025     | <b>Storage:</b> -40 °C or below |

### Molecule Data

|                     |                             |
|---------------------|-----------------------------|
| <b>Modification</b> | ARCA, 5-Methoxy-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                                       | 6.4              |
| Purity               | ≥95% ( Agarose Gel Electrophoresis )          | 99%              |
| Concentration        | 1.0-1.4 mg/ml ( UV-Vis Spectrophotometer )    | 1.0 mg/ml        |
| A 260/280            | 1.70-2.30 ( UV-Vis Spectrophotometer )        | 1.82             |
| 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 24, 2025

 Reviewer/date: Eudora Wei Jan 24, 2025