

Certificate of Analysis

Product Information

|                                                      |                                          |
|------------------------------------------------------|------------------------------------------|
| Product name: EZ Cap™ Mouse IL-7 mRNA (m1 Ψ, HA tag) | Report No.: R202410010                   |
| Cat. No.: R1054                                      | Batch No.: 1                             |
| Manufacture date: Oct 14, 2024                       | Expiration date: 12 months (Provisional) |
| Quality Release Date: Oct 30, 2024                   | Storage: -40 °C or below                 |

Molecule Data

|              |                                      |
|--------------|--------------------------------------|
| Length       | 708 nt                               |
| Modification | EZ Cap™, N1-Methylpseudo-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                                       | 6.5              |
| Purity               | ≥95% ( Agarose Gel Electrophoresis )          | 100%             |
| Concentration        | 1.0-1.4 mg/ml ( UV-Vis Spectrophotometer )    | 1.3 mg/ml        |
| A 260/280            | 1.70-2.30 ( UV-Vis Spectrophotometer )        | 1.97             |
| Bacterial endotoxins | < 10 EU/mg ( Limulus Amebocyte Lysate Assay ) | < 10 EU/mg       |
| Conclusion           | Complies with the given specifications        |                  |

Reporter/date: Jackie Wang Oct 30, 2024

Reviewer/date: Eudora Wei Oct 30, 2024