

Certificate of Analysis

Product Information

Product name: EZ Cap™ Firefly Luciferase mRNA (m1Ψ)	Report No.: R202409010
Cat. No.: R1004	Batch No.: 1
Manufacture date: Sep 20, 2024	Expiration date: 12 months (Provisional)
Quality Release Date: Sep 24, 2024	Storage: -40 °C or below

Molecule Data

Length	1921 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	6.3
Purity	≥95% (Agarose Gel Electrophoresis)	98%
Concentration	1.0-1.4 mg/ml (UV-Vis Spectrophotometer)	1.0 mg/ml
A 260/280	1.70-2.30 (UV-Vis Spectrophotometer)	1.94
Bacterial endotoxins	< 10 EU/mg (Limulus Amebocyte Lysate Assay)	< 10 EU/mg
Conclusion	Complies with the given specifications	

Reporter/date: Jackie Wang Sep 24, 2024

Reviewer/date: Eudora Wei Sep 24, 2024