

Certificate of Analysis

Product Information

Product name: EZ Cap™ Firefly Luciferase mRNA (5-moUTP)	Report No.: R202503003
Cat. No.: R1013	Batch No.: 77
Manufacture date: Mar 17, 2025	Expiration date: 12 months (Provisional)
Quality Release Date: Mar 18, 2025	Storage: -40 °C or below

Molecule Data

Length	1921 nt
Modification	EZ Cap™, 5-Methoxy-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	6.6
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)	2.00
Bacterial endotoxins	< 10 EU/mg (Limulus Amebocyte Lysate Assay)	< 10 EU/mg
Conclusion	Complies with the given specifications	

Reporter/date: Jackie Wang Mar 18, 2025

Reviewer/date: Eudora Wei

Mar 18, 2025