

Certificate of Analysis

Platinum™ SYBR™ Green qPCR SuperMix-UDG

Product No. 11733046, 10633863

Lot No. 2946872

Date of Manufacture 13-Nov-2024

Quantitative PCR Assay

Platinum® SYBR® Green qPCR SuperMix - UDG is functionally tested using plasmid DNA quantified by digital PCR to ensure robust amplification of DNA targets.

Specification: The slope must be -3.4 ± 0.2 .

Result: Meets specification.

Specification: The amplification efficiency must be $\geq 90\%$.

Result: Meets specification.

Specification: The correlation coefficient (r^2) must be ≥ 0.99 .

Result: Meets specification.

Specification: Template dilutions must show only one peak in the melt curve.

Result: Meets specification.

Specification: Average Ct value of 1,000 copy level must be 24.5 ± 1.5 .

Result: Meets specification.

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Issued on 06-Dec-2024