

Certificate of Analysis

AmpErase™ Uracil N-Glycosylase (UNG)

Product No. N8080096, 10638265

Lot No. 2667620

Date of Manufacture 01-Sep-2023

Expiration Date 24-Aug-2025

Activity Assay

Specification: 1-2 unit/μl

Result: Meets specification.

Endonuclease (Nicking) Assay

Specification: Compared to the negative control, there must be $\leq 5\%$ degradation of Φ X174 (+) strand DNA when incubated with 50 units of enzyme for 5 hours at 37°C.

Result: Meets specification.

Exonuclease

Specification: With 1 pmol of the relevant substrate the following criteria must be obtained after a 1-hour incubation: 5' ss, 3' ds, 5' ds % released: $\leq 0.01\%$ of termini released per unit of enzyme.

Results: Meets Specification.

RNase Assay

Specification: No degradation of control mRNA is observed when incubated with 50 units of enzyme enzyme for 5 hours.

Result: Meets specification.

For Research Use Only. Not for use in diagnostic procedures.

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Director, Quality
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