

Uracil DNA Glycosylase

Suitable for Research and further Manufacturing Use

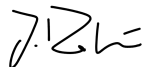
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|---------------------|---------------|
| Catalog No: | BIO-27044 |
| Lot No: | ME382-B126420 |
| Storage Conditions: | -20°C |
| Component Lot No: | UNG-324103A |
| Expiry date: | April 2026 |

Quality Control Parameters

Enzyme that efficiently hydrolyzes uracil from ssDNA or dsDNA. Endonuclease, exonuclease, nickase and RNase-free

| Analysis | Specification | Result |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Functional | dUTP PCR products are degraded on the addition of UDGase in the presence of 10x UDGase reaction buffer. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained). | Passed |
| DNA contamination | Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in line with a reference sample. | Passed |
| DNase contamination | Incubation of a 1Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection 2.5×10^{-3} U DNase. | Passed |

QA / QC Representative:



J.Rahnenführer

Date: 3rd April 2024

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10x UDGase Reaction Buffer

For research or further manufacturing use only

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