



Certificate of Analysis

Product Name/Description: DTI Uracil DNA Glycosylase (UNG), Heat-labile, (Glycerol Free) (2 U/ul)

Cat#: DT0105.20

Lot#: Specified on product label

Storage conditions: -80°C

Expiry: Specified on product label

Pack size: 20 Units

Package contents:

| Component | Conc | Pack size |
|---|--------|-----------|
| DTI Uracil DNA Glycosylase (UNG), Heat-labile, (Glycerol Free) (2 U/ul) | 2 U/ul | 20 Units |

Source: Escherichia coli carrying the plasmid encoding Xiphophorus maculatus UNG mutant gene

Unit Definition: One unit of UNG is defined as the amount that degrades 1 µg of uracil-containing dsDNA in 30 minutes at 25°C.

Quality Control data:

Nuclease contamination test:

Nuclease activity was not detected by agarose gel electrophoresis following the reactions below:

- 1) Incubating 1 µg of λ-Hind III digest with 50 units of this product at 37°C for 2 hours at pH 7.5.
- 2) Incubating 1 µg of supercoiled pBR322 with 50 units of this product at 37°C for 2 hours at pH 7.5.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of DSS Takara Bio India Pvt Ltd.

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