



## Certificate of analysis

**Product Name/Description:** DTI Bca DNA Polymerase- Glycerol Free (8 U/ul)

**Cat#:** DT0104.10

**Lot#:** Specified on product label

**Storage conditions:** -80°C

**Expiry:** Specified on product label

**Pack size:** 80 Units

**Package contents:**

Component	Conc	Pack size
DTI Bca DNA Polymerase- Glycerol Free	8 U/ ul	80 Units

**Source:** Escherichia coli carrying a plasmid containing the gene for Bca DNA Polymerase

**Quality Control data:**

**Functional tests:**

Target genes were detected using 0.01 - 1 ng of E. coli genomic DNA and human total RNA when their isothermal amplification assays were performed using this enzyme.

No amplification was observed without their templates in the assays within 30 min.

**Nuclease contamination tests:**

Nuclease activities were not obviously detected in any of the following tests by agarose-gel electrophoresis.

- 1) Incubating 1 µg of λDNA-Hind III digest with 8 units of the enzyme for 4 hours at 65°C.
- 2) Incubating 1 µg of supercoiled pBR322 DNA with 8 units of the enzyme for 1 hour at 65°C.
- 3) Incubating 1 µg of λDNA with 8 units of the enzyme for 16 hours at 37°C.
- 4) Incubating 1 µg of 16S, 23S rRNA with 8 units of the enzyme for 1 hour at 37°C.

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.

This document has been produced electronically and is valid without a signature.

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