

Certificate of analysis

Product Name/Description: BcaBEST® DNA Polymerase ver.2.0
Cat. #: RR380A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 1600 U

Package Contents:

1. BcaBEST® DNA Polymerase ver.2.0	8 U/µl	200 µl	
2. 2X BcaBEST® Buffer		1.25 ml	x 2

Source: Escherichia coli carrying a plasmid containing the gene for BcaBEST DNA Polymerase ver.2.0

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 Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:

www.takara-bio.co.jp (Japanese)

www.takarabio.com (English)

Licence Statements:

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