

Certificate of analysis

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|----------------------------------|---|--------------|-------|
| Product Name/Description: | T4 DNA Polymerase | | |
| Cat. #: | 2040A | | |
| Lot #: | Specified on product label | | |
| Storage Conditions: | -20 degrees C | | |
| Expiration Date: | Specified on product label or package | | |
| Package Size: | 100 U | | |
| Package Contents: | 1. T4 DNA Polymerase | 5 U/ μ l | 100 U |
| | 2. 10X T4 DNA Polymerase Buffer | | 1 ml |
| | 3. 0.1% BSA | | 1 ml |
| Source: | Escherichia coli carrying the plasmid containing phage T4 DNA polymerase gene | | |
| Unit Definition: | One unit of the enzyme is defined as the amount that incorporates 10 nmol of total nucleotides into acid-insoluble products in 30 minutes at 37°C and pH 8.8, with heat-denatured calf thymus DNA as the template-primer. | | |
| Quality Control Data: | Nuclease contamination test: Endonuclease activity was not detected by agarose gel electrophoresis after incubation of 1 μ g of supercoiled pBR322 DNA with 2 units of this product for 16 hours 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)

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