

Certificate of analysis

Product Name/Description:	T7 RNA Polymerase		
Cat. #:	2540A		
Lot #:	Specified on product label		
Storage Conditions:	-20 degrees C		
Expiration Date:	Specified on product label or package		
Package Size:	5000 U		
Package Contents:	1. T7 RNA Polymerase	50 U/ μ l	5000 U
	2. 10X T7 RNA Polymerase Buffer		1 ml
	3. 50 mM DTT		1 ml
Source:	Escherichia coli carrying the plasmid containing phage T7 RNA polymerase gene		
Unit Definition:	One unit of the enzyme is defined as the amount that incorporates 1 nmol of [3H]GMP into the acid-insoluble fraction in 1 hour at 37°C and pH 8.0.		
Quality Control Data:	Nuclease contamination test: Nuclease activity was not detected by agarose gel electrophoresis following each of the reactions described below: 1) Incubating 1 μ g of λ DNA-Hind III digests with 250 units of this enzyme for 16 hours at 37°C. 2) Incubating 1 μ g of supercoiled pBR322 DNA with 250 units of this enzyme for 4 hours at 37°C. 3) Incubating 1 μ g of 16S, 23S rRNA with 250 units of this enzyme for 5 hours at 37°C. Purity: This enzyme was more than 95% homogeneous as judged by SDS-polyacrylamide gel electrophoresis.		

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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