

## Certificate of Analysis

---

Product Name: KOD DNA Polymerase  
 Cat. No.: GE10004  
 Batch No.: 1  
 Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Storage: -20°C

### ANALYTICAL DATA

QC ITEMS	METHODS	SPECIFICATIONS	RESULTS
Unit definition	One unit of enzyme incorporates 10 nmoles of dNTPs into a polynucleotide fraction at 74 °C in 30 minutes.	4.5 - 5.5 U/μL	Conforms
Purity	SDS-PAGE	≥ 95%	Conforms
Endonuclease Assay	Detect nicking or cutting activity when incubated with supercoiled pBR322 plasmid DNA for 3hrs at 37 °C	No Detectable Endonuclease Activity	Conforms
Exonuclease Assay	Detect exonuclease activity when incubated with λDNA/Hind III marker for 3hrs at 37 °C	No Detectable Endonuclease Activity	Conforms
RNase Assay	Detect ribonuclease activity when incubated with RNA substrate for 3hrs at 37 °C	No Detectable RNase Activity	Conforms
HCD	qPCR	≤ 10 copies /10U	Conforms

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA