

Certificate of Analysis

Product Name/Description:	Mighty Taq HS DNA Polymerase (High Sensitivity)
Cat. #:	TCH014
Lot#:	Specified on product label
Storage Conditions:	-20°C
Expiration Date:	Specified on product label or package
Package Size:	250 U
Package Contents:	1. Mighty Taq HS DNA Polymerase (High Sensitivity) 5 U/ μ l250 U 2. 2X Mighty Taq HS Buffer (Mg ²⁺ plus) (High Sensitivity) 2 X1 ml x 5

Quality Control Data:

PCR performance test:

- 1) Good performance of this product was confirmed by PCR using a mouse tail (1–2 mm) as templates (amplified fragment size: 0.54 kbp).
- 2) Consistent amplification was observed in real-time PCR using λ DNA as a template.
No specific amplification was observed without template.
- 3) Consistent amplification was observed in real-time PCR using cDNA mixture synthesized from human testis total RNA as a template.

Hot start test:

Inhibition of the DNA polymerase activity by antibody was confirmed by comparing the results of PCR using reaction mixtures that had been previously heated and not heated.
