

## HotStart Taq DNA Polymerase (B)

### Product Information

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| <b>Cat#</b>            | DIA-443                                                                                                                                                                                                                                                                                                |
| <b>Description</b>     | Antibody-modified Taq DNA Polymerase with hot-start function. Prevents low-temperature non-specific amplification. Suitable for high-specificity PCR, multiplex PCR, high-GC templates (>60%), and large-scale genomic amplification. High-specificity, multiplex, and high-GC amplification suitable. |
| <b>Unit Definition</b> | One unit (U) is defined as the activity that incorporates 10 nmol of total nucleotides into acid-insoluble material in 30 minutes at 74 °C, using activated salmon sperm DNA as template/primer.                                                                                                       |
| <b>Storage</b>         | -20 °C ± 5 °C                                                                                                                                                                                                                                                                                          |
| <b>Contaminants</b>    | Free of endo-/exonuclease contamination                                                                                                                                                                                                                                                                |
| <b>Applications</b>    | High-specificity PCR; amplification of complex templates; multiplex PCR; genome amplification assays; qPCR.                                                                                                                                                                                            |

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| <b>Product Overview</b> | <b>Product Components:</b><br>250 U:<br>HotStart Taq DNA Polymerase (B) (5 U/μL): 50 μL<br>5× HS Taq Buffer with Mg <sup>2+</sup> : 1 mL × 2<br>dNTPs (10mM each): 200 μL<br>5 KU:<br>HotStart Taq DNA Polymerase (B) (5 U/μL): 1 mL<br>5× HS Taq Buffer with Mg <sup>2+</sup> : (1 mL × 2) × 5<br>25 KU:<br>HotStart Taq DNA Polymerase (B) (5 U/μL): 1 mL<br>5× HS Taq Buffer with Mg <sup>2+</sup> : 40 mL<br>50 KU:<br>HotStart Taq DNA Polymerase (B) (5 U/μL): 10 mL<br>250 KU:<br>HotStart Taq DNA Polymerase (B) (5 U/μL): 50 mL |
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## HotStart Taq DNA Polymerase (B)

**Product Features:**

High specificity and sensitivity with strong stability

Broad application range

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| <b>Package</b> | 250 U/5 KU/25 KU/50 KU/250 KU |
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