DNA polymerase, *Taq*

Taq DNA polymerase is a recombinant enzyme that is licensed for use in PCR*. Provides superior performance in routine PCR and RT-PCR. Capable of amplifying large DNA target regions (up to 10kb). Well-suited for the following PCR applications: STR, RAPD, AFLP, and SNP analyses

NEW 32

Catalogue No	Quantity	Buffers included
FB6000-10	100 units	A
FB6000-15	500 units (5 x 100)	A
FB6000-25	500 units	A
FB6000-30	2,500 units (5 x 500)	A
FB6000-35	2,500 units	A
FB6000-45	100 units	B
FB6000-50	500 units (5 x 100)	B
FB6000-60	500 units	B
FB6000-65	2,500 units (5 x 500)	B
FB6000-70	2500 units	B

DNA polymerase, *Taq*

invitrogen

NEW 50

A thermostable enzyme that can withstand prolonged incubation at temperatures up to 95°C without significant loss of activity. The enzyme consists of a single polypeptide with a molecular weight of 94kDa. It has a 5´to 3´ DNA polymerase activity and a 5´to 3´ exonuclease activity. With *Taq* DNA polymerase you'll get:

- Your choice of recombinant or native enzyme
- Amplification of PCR* products up to 5kb in size
- An enzyme that is licensed and qualified for PCR

Everyday PCR*: 'yes/no' sequence detection

Taq DNA polymerase, recombinant 32

Catalogue No	Size
VX10342053	100 units
VX10342020	500 units
VX10342046	1,500 units
VX10342178	5,000 units

Taq DNA polymerase, native

Catalogue No	Size
VX18038018	100 units
VX18038042	500 units
VX18038067	1,500 units
VX18038240	5,000 units

*Polymerase Chain Reaction (PCR) is a process covered by patents owned by Hoffman-La Roche

DNA polymerase, *Taq* and PCRx enhancer system

invitrogen

NEW 50

***Taq* PCRx DNA polymerase**

Recombinant *Taq* DNA polymerase supplied with the PCRx enhancer system for optimising PCR of problematic and/or GC-rich templates. With *Taq* PCRx DNA polymerase you'll get:

- Higher primer specificity, broader magnesium concentration, broader annealing temperature, and improved thermostabilty of *Taq* DNA polymerase
- Amplification of PCR* products up to 5kb in size
- A system that is licensed and qualified for PCR

Platinum® *Taq* PCRx DNA polymerase

Platinum® *Taq* DNA polymerase supplied with the PCRx enhancer system for optimising PCR of problematic and/or GC-rich templates.

Taq PCRx DNA polymerase, recombinant

Catalogue No	Reactions per pack
VX11508017	500 units

Platinum® *Taq* PCRx DNA polymerase

Catalogue No	Reactions per pack
VX11509015	500

PCRx enhancer system

Catalogue No	Reactions per pack
VX11495017	250

DNA polymerase, *Tfi*

invitrogen

NEW 50

A new non-*Taq* based, PCR* enzyme derived from *Thermus filiformis* for use in PCR applications without any licensing fees. Like *Taq*, *Tfi* has 5' to 3' exonuclease and 5' to 3' polymerase activity. PCR performance is comparable to *Taq* DNA polymerase in yield, specificity, fidelity, and robustness. *Tfi* can be substituted for *Taq* DNA Polymerase in virtually any application and is ideal for genomic, cDNA, and plasmid targets up to 4 kb in length. In addition, *Tfi* is free of licensing restrictions that accompany *Taq* polymerase. *Tfi* can be considered for use as a component in a diagnostic application if qualified by the end user. With *Tfi* DNA polymerase, you'll:

- Eliminate licensing fees and restrictions associated with *Taq*-based enzymes
- No need to reoptimise - swap out *Taq* for *Tfi*
- *Tfi* is also available in special pack sizes and for OEM customers needing PCR kit manufacturing flexibility.

Tfi DNA polymerase

Catalogue No	Size
VX30342011	100 units
VX30342024	500 units
VX30342052	5,000 reactions

DNA polymerase, Platinum® *Tfi* Exo

invitrogen

NEW 50

Ideal for automatic 'hot-start' amplification DNA fragments with improved specificity over *Taq* DNA polymerase.

With Platinum® Tfi, you'll:

- Improve PCR* sensitivity and yield with an automated hot start
- Generate more available enzyme during the enzyme activation step for improved PCR* robustness
- Amplify more DNA with less enzyme per reaction

Combines Platinum® automated hot-start technology with a non-*Taq*, surfactant-free PCR enzyme derived from *Thermus filiformis*. PCR performance is comparable to Platinum® *Taq* DNA polymerase in yield, specificity, fidelity, and robustness for targets less than 1kb in length. In addition, Platinum® *Tfi* is available in a 5'Exo (-) form for PCR applications that do not require the polymerase to have 5'exonuclease activity.

Platinum® *Tfi* DNA polymerase

Catalogue No	Reactions per pack
VX73684050	500

Platinum® *Tfi* Exo (-) DNA polymerase

Catalogue No	Reactions per pack
VX60684050	500