

Invitrogen PCR Enzyme	Product Size	Yield	Specificity	Fidelity	Convenience	GC-rich
<i>Taq</i> DNA Polymerase	< 5 kb	•	•	•	•	•
PCR SuperMix	< 5 kb	•	•	•	•••	•
<i>Taq</i> PCR _x DNA Polymerase	< 5 kb	•	•	•	••	•••
Platinum® <i>Taq</i> DNA Polymerase	< 5 kb	•••	••	•	••	•
Platinum® PCR SuperMix	< 5 kb	•••	••	•	••••	•
Platinum® PCR SuperMix 96	< 5 kb	•••	••	•	•••••	•
Platinum® Blue PCR SuperMix	< 5 kb	•••	••	•	•••••	•
Platinum® Blue RTS PCR SuperMix 96	< 5 kb	•••	••	•	••••••	•
Platinum® <i>Taq</i> PCR _x DNA Polymerase	< 5 kb	•••	••	•	•••	•••
AccuPrime™ <i>Taq</i> DNA Polymerase	< 5 kb	•••	••••	••	•••	•
AccuPrime™ <i>Taq</i> SuperMix I and II	< 5 kb	•••	••••	••	••••	•
Platinum® <i>Pfx</i> DNA Polymerase	< 12 kb	••	••	•••••	•••	•
AccuPrime™ <i>Pfx</i> DNA Polymerase	< 12 kb	•••	•••	•••••	•••	•
AccuPrime™ <i>Pfx</i> SuperMix	< 12 kb	•••	•••	•••••	••••	•
Platinum® <i>Taq</i> DNA Polymerase High Fidelity	< 20 kb	••••	••	•••	••	•
Platinum® PCR SuperMix High Fidelity	< 20 kb	••••	••	•••	••••	•
AccuPrime™ <i>Taq</i> DNA Polymerase High Fidelity	< 20 kb	••••	•••	••••	•••	•
Elongase® Enzyme Mix	< 30 kb	•••	•	••	•	•
PCR SuperMix High Fidelity	< 12 kb	•••	•	••	•••	•
AccuPrime™ GC-Rich DNA Polymerase	< 5 kb	•••	•••	••	•	••••
ThermalAce™ DNA Polymerase	< 5 kb	•••	•	••	•	•••

* For amplification of long, GC-rich templates, add PCR_x Enhancer to either Platinum® *Taq* DNA Polymerase High Fidelity or Elongase® Enzyme Mix

PCR enzyme selection guide

Application	Enzymes	Size	Cat. no.	
Everyday PCR: “Yes/No” sequence detection	<i>Taq</i> DNA Polymerase, Recombinant	100 units	10342-053	
		500 units	10342-020	
		1,500 units	10342-046	
		5,000 units	10342-178	
	<i>Taq</i> DNA Polymerase, Native	100 units	18038-018	
		500 units	18038-042	
		1,500 units	18038-067	
		5,000 units	18038-240	
High Specificity for Everyday PCR	Platinum® <i>Taq</i> DNA Polymerase	100 rxns	10966-018	
		250 rxns	10966-026	
		500 rxns	10966-034	
		5,000 rxns	10966-083	
Highest Specificity PCR: multiplex PCR, colony PCR, high throughput PCR applications	AccuPrime™ <i>Taq</i> DNA Polymerase	200 rxns	12339-016	
		1,000 rxns	12339-024	
Highest Fidelity PCR: PCR cloning, mutagenesis w/improved specificity and yield	Platinum® <i>Pfx</i> DNA Polymerase	100 rxns	11708-013	
		250 rxns	11708-021	
		500 rxns	11708-039	
	AccuPrime™ <i>Pfx</i> DNA Polymerase	200 rxns	12344-024	
		1000 rxns	12344-032	
Robust, High Yield PCR: PCR for microarrays, microarray clone amplification w/improved specificity	Platinum® <i>Taq</i> DNA Polymerase High Fidelity	100 rxns	11304-011	
		500 rxns	11304-029	
		5,000 rxns	11304-102	
	AccuPrime™ <i>Taq</i> High Fidelity	200 rxns	12346-086	
1000 rxns	12346-094			
PCR of Long Targets	Elongase® Amplification System	100 rxns	10481-018	
	Elongase® Enzyme Mix	100 rxns	10480-010	
		500 rxns	10480-028	
PCR of Difficult or GC-Rich	AccuPrime™ GC-Rich	200 rxns	12337-016	
		1000 rxns	12337-024	
	<i>Taq</i> PCR _x DNA Polymerase	500 units	11508-017	
	Platinum® <i>Taq</i> PCR _x DNA Polymerase	500 rxns	11509-015	
	PCR _x Enhancer System	250 rxns	11495-017	
	ThermalAce™	200 units	E0200	
		1,000 units	E1000	
	SuperMix Formats: For convenient PCR setup and high throughput PCR room-temperature stable (lyophilized) high yield highest specificity high fidelity, high specificity	PCR SuperMix	100 rxns	10572-014
Platinum® PCR SuperMix		100 rxns	11306-016	
Platinum® PCR SuperMix 96		skirted 5 x 96-well plates		11306-065
		non-skirted 5 x 96-well plates		11306-073
Platinum® Blue PCR SuperMix		100 rxns	12580-015	
		1000 rxns	12580-023	
Platinum® Blue PCR SuperMix 96		skirted 5 x 96-well plates		11580-031
		nonskirted 5 x 96-well plates		12580-049
Platinum® Blue RTS PCR SuperMix 96		skirted 5 x 96-well plates		12580-056
		nonskirted 5 x 96-well plates		12580-064
		8 strip 12 x 8-well strips		12580-072
PCR SuperMix High Fidelity		100 rxns	10790-020	
Platinum® PCR SuperMix High Fidelity		100 rxns	12532-016	
AccuPrime™ SuperMix I		200 rxns	12342-010	
AccuPrime™ SuperMix II		200 rxns	12341-012	
AccuPrime™ <i>Pfx</i> SuperMix		200 rxns	12344-040	

These products may be covered by one or more limited Use Label licenses (see the Invitrogen catalog or our web site, www.invitrogen.com). By the use of these products you accept the terms and conditions of all applicable limited Use Label Licenses. For research use only. Not intended for any animal or human therapeutic or diagnostic use. Printed in the U.S.A. ©2003 Invitrogen Corporation. All rights reserved. Reproduction forbidden without permission.