

ACCUPOL DNA POLYMERASE



AccuPOL DNA Polymerase for high fidelity PCR applications

- High fidelity
- Proofreading
- Error rate 1.1×10^{-6}
- Processes up to 3 kb
- Renders blunt end DNA

Ampliqon AccuPol DNA Polymerase is a thermostable high fidelity DNA Polymerase with 5' → 3' proofreading ability. This enables for accurate and reliable PCR results and amplicons with very few errors and blunt ends.

Ampliqon PCR Enzymes

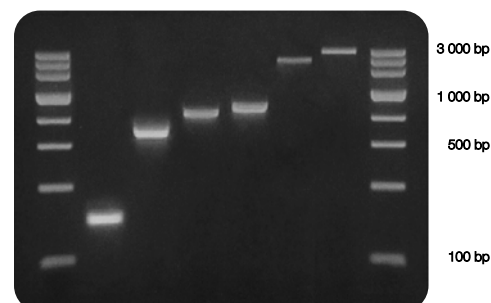


Fidelity Comparison

Fidelity test using LacIOZ Assay			
Enzyme	AccuPol	Pfu	Taq
Error rate* (Fidelity)	1.1×10^{-6}	1.1×10^{-6}	18.0×10^{-6}
Elongation rate (bases/sec)	30	25	61

* The error rate equals mutation frequency per base per duplication.

Specific and Clear Results



	Size Reaction size: 50 µl*	Content	Cat #
AccuPol DNA Polymerase 5 U/µl without buffer and MgCl ₂	250 Units	1 x 100 µl	A210002
	500 Units	1 x 200 µl	A210003
	1000 Units	2 x 200 µl	A210004
	2500 Units	5 x 200 µl	A210006
AccuPol DNA Polymerase 5 U/µl With Ammonium Buffer and MgCl ₂	250 Units	1 x 100 µl	A211102
	500 Units	1 x 200 µl	A211103
	1000 Units	2 x 200 µl	A211104
	2500 Units	5 x 200 µl	A211106

*1 unit / 50 µl reaction size