

## ACCUPOL DNA POLYMERASE



### AccuPOL DNA Polymerase for high fidelity PCR applications

- High fidelity
- Proofreading
- Error rate  $1.1 \times 10^{-6}$
- 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

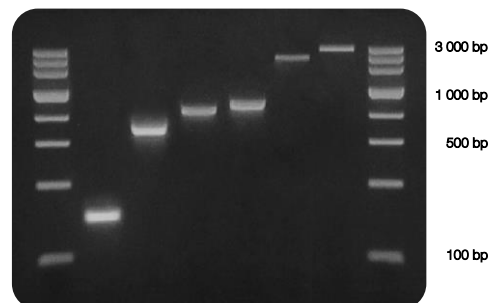


### Fidelity Comparison

Fidelity test using LacIOZ Assay			
Enzyme	AccuPol	Pfu	Taq
Error rate* (Fidelity)	$1.1 \times 10^{-6}$	$1.1 \times 10^{-6}$	$18.0 \times 10^{-6}$
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 2.5 U/µl without buffer and MgCl <sub>2</sub>	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 2.5 U/µl With Ammonium Buffer and MgCl <sub>2</sub>	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

\*1.5 unit / 50 µl reaction size