

## TAQ DNA POLYMERASE



### High performance Taq DNA Polymerase

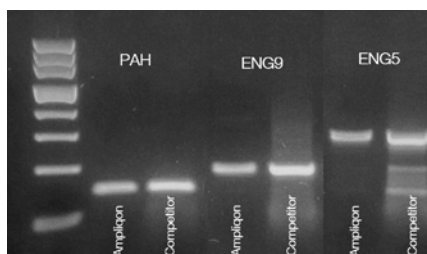
- High product yield
- dUTP incorporation possible
- Processes up to 5 kb
- No proofreading – lacks a 3' - 5' exonuclease activity
- Leaves 3'dA overhang

Ampliqon Taq DNA Polymerase is a thermostable, recombinant DNA polymerase, which exhibits very high activity. Ampliqon Taq DNA Polymerase is suitable for most routine PCR applications requiring high yield and reliable DNA amplification. The 5'-3' exonuclease activity leaves 3' overhang, convenient for direct T-A cloning.

*Ampliqon PCR Enzymes*

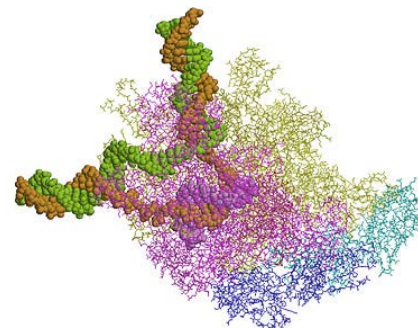


*Comparison*



Comparison of Ampliqon Taq DNA Polymerase with competitor Taq DNA Polymerase. Three different primer targets (PAH, ENG9 and ENG5) were evaluated. Ampliqon Taq DNA Polymerase performed equally well with competitor Taq on these 3 targets

*Taq DNA Polymerase structure*



	Size Reaction size: 50 μl*	Content	Cat #
Taq DNA Polymerase 5U/μl without buffer	500 Units	1 x 100 μl	A110003
	1000 Units	2 x 100 μl	A110004
	5000 Units	10 x 100 μl	A110007
Taq DNA Polymerase 5U/μl with 10x Ammonium Buffer and MgCl <sub>2</sub>	500 Units	1 x 100 μl	A111103
	1000 Units	2 x 100 μl	A111104
	5000 Units	10 x 100 μl	A111107
Taq DNA Polymerase 5U/μl with 10x Combination Buffer and MgCl <sub>2</sub>	500 Units	1 x 100 μl	A112103
	1000 Units	2 x 100 μl	A112104
	5000 Units	10 x 100 μl	A112107
Taq DNA Polymerase 5U/μl with 10x Standard Buffer, 10x Ammonium Buffer and MgCl <sub>2</sub>	500 Units	1 x 100 μl	A114103
	1000 Units	2 x 100 μl	A114104
	5000 Units	10 x 100 μl	A114107

\*1 unit / 50 μl reaction size