

Core reagents



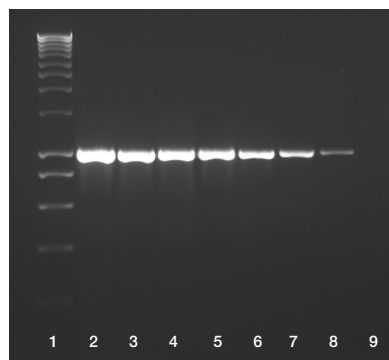
Taq DNA Polymerase

- Cost effective *Taq*
- Robust PCR performance suited to a wide range of PCR assays
- Leaves 'A' overhangs
- Amplifies fragments up to 5Kb

Taq DNA polymerase is a thermostable DNA polymerase which can withstand prolonged incubations at high temperatures without significant decrease in enzyme activity. *Taq* is purified from *Thermus aquaticus* and is used in a wide range of molecular biology protocols. Bioline *Taq* DNA polymerase can amplify fragments of up to 5Kb in length, from genomic DNA.

Like other polymerases, *Taq* catalyzes the template-dependent polymerisation of nucleotides into duplex DNA in the 5'-3' direction. Bioline *Taq* polymerase lacks 3'-5' exonuclease (proofreading) activity and possesses a low 5'-3' exonuclease activity. *Taq* reaction products contain 3' adenosine overhangs which are suitable for TA cloning.

Taq DNA polymerase is compatible with a wide range of PCR assays.



Robust PCR Performance with *Taq*

A serial dilution of template was performed to demonstrate that *Taq* generates high quality performance even at very low DNA template concentrations.

Lane 1: HyperLadder I
Lane 2: 0.5ng λ DNA
Lanes 3-9: 10-fold dilution series

Taq DNA Polymerase

DESCRIPTION	PACK SIZE	CAT NO.	PRICE
<i>Taq</i> DNA Polymerase	1000 Units	BIO-21085	\$125.00
<i>Taq</i> DNA Polymerase	2000 Units	BIO-25086	\$215.00
<i>Taq</i> DNA Polymerase	10,000 Units	BIO-21087	\$995.00