



End-Point PCR Applications

Azura HS Taq DNA Polymerase

Azura HS Taq DNA Polymerase is an engineered, antibody-mediated Hot-Start PCR enzyme with additional hydrophilic residues for improved solubility and increased affinity for template DNA, resulting in significantly improved activity, yield, speed and sensitivity when compared with wild-type Taq Polymerase.

The polymerase is supplied with a new generation 5x buffer system containing optimal levels of MgCl₂ and enhancers at exacting concentrations. Azura HS Taq requires little if any optimization, delivering superior Hot-Start PCR each and every time.

Azura 2x HS Taq Mix is a ready-to-use single tube formulation optimized for convenience and reduced pipetting steps. The highly advanced Azura 2x HS Taq Mix chemistry allows fast cycling conditions to be used with greater efficiency, reproducibility and throughput. In addition, the ready-to-use mix is available with an inert red dye which allows samples to be loaded directly onto agarose gels without additional gel loading buffers. Azura 2x HS Taq Red Mix is sufficiently dense to sink to the bottom of the wells.

Applications

- Multiplex PCR
- Fast PCR
- Genotyping
- Colony PCR
- Low-copy PCR
- Amplification of GC-rich DNA

Universal

Robust Hot-Start amplification across a wide range of templates and sequence complexity.

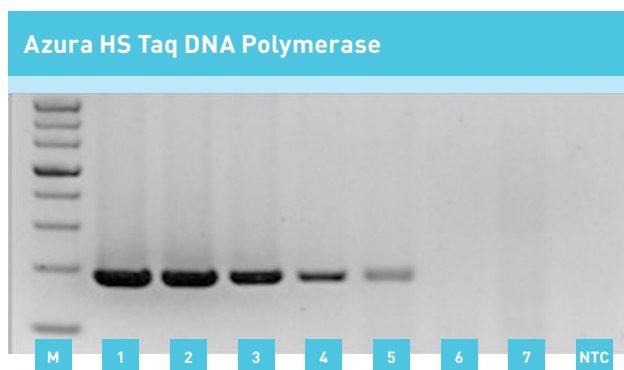


Fig 1. Azura™ HS Taq Polymerase successfully amplifies bisulfite modified DNA

Azura™ HS Taq Polymerase provides exceptional sensitivity even with complex, bisulfite modified uracil- containing DNA (390bp PCR fragment). Lanes 1 – 5 respectively: 500ng, 250ng, 125ng, 62.5ng and 31.25ng bisulfite modified human genomic DNA incubated with 1 unit Azura™ HS Taq Polymerase.

Convenience of Minimal Optimization

Complete 5x buffer system including MgCl₂ and PCR enhancers.

Flexibility

Available as ready-to-use 2x HS Taq Mix and 2x HS Taq Red Mix for reduced pipetting and improved sample throughput.

Products	Pack Size	Catalog No.	Price
Azura HS Taq DNA Polymerase	500u (5u/μl)	AZ-1505	\$195
Azura HS Taq DNA Polymerase	1000u (5u/μl)	AZ-1510	\$335
Azura HS Taq DNA Polymerase	5000u (5u/μl)	AZ-1550	\$1,350
Azura 2x HS Taq Mix	200 x 50μl Reactions	AZ-1602	\$145
Azura 2x HS Taq Mix	1000 x 50μl Reactions	AZ-1610	\$595
Azura 2x HS Taq Red Mix	200 x 50μl Reactions	AZ-1622	\$145
Azura 2x HS Taq Red Mix	1000 x 50μl Reactions	AZ-1625	\$595