

# Azura™ HS Taq Red Mix



## Unparalleled Specificity in End-Point PCR

Azura 2x HS Taq Red Mix is a ready-to-use master mix optimized for market-leading specificity with a wide range of DNA templates including difficult GC-rich targets. The high-performance 2x formulation is comprised of Azura HS Taq polymerase, hot-start antibodies, a proprietary PCR enhancer, and reaction buffer with optimal levels of dNTPs and  $MgCl_2$ . The highly advanced Azura 2x HS Taq Red Mix chemistry allows fast cycling conditions to be used with greater efficiency and reproducibility. In addition, the ready-to-use mix contains an inert red dye and high-density additive which allows samples to be loaded directly in agarose gels without additional gel loading or tracking dyes. The red dye migrates at the rate of 600bp and 350bp DNA in a 1% and 2% TAE agarose gels respectively.

Azura Genomics also offers a colorless version of the master-mix, Azura 2x HS Taq Mix, and separate components of HS Taq Polymerase, ultra-pure dNTPs and 5x reaction buffer in order to provide flexibility and to accommodate existing protocols.

### Applications

- Genotyping
- Colony PCR
- Low-copy number PCR
- Fast PCR

### Universal

Robust hot-start amplification across a wide range of DNA templates including GC-rich regions

### Convenience of Minimal Optimization

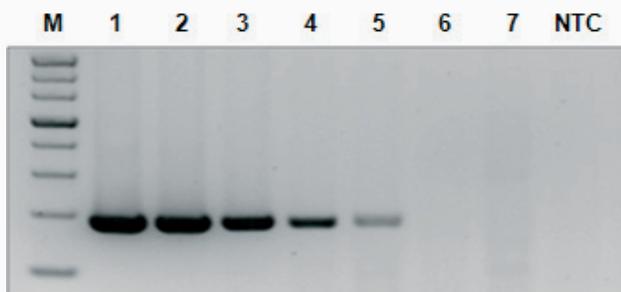
Simply replace your existing 2x hot-start mix or polymerase

### Flexibility

Available as ready-to-use 2x mix format or separate components

### Versatility

High-performance amplification of complex GC-rich and bisulfite-modified DNA samples



**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.

# Azura™ HS Taq Red Mix



Products	Pack Size	Catalog No.	Price
Azura 2x HS Taq Red Mix	200 Reactions / 4 x 1.25 mL	AZ-1622	\$145
Azura 2x HS Taq Red Mix	1000 Reactions / 20 x 1.25 mL	AZ-1625	\$595
Azura 2x HS Taq Red Mix	2000 Reactions / 10 x 5 mL	AZ-1626	\$935
Azura 2x HS Taq Mix	200 Reactions / 4 x 1.25 mL	AZ-1602	\$145
Azura 2x HS Taq Mix	1000 Reactions / 20 x 1.25 mL	AZ-1610	\$595
Azura 2x HS Taq Mix	2000 Reactions / 10 x 5 mL	AZ-1620	\$935
Azura HS Taq DNA Polymerase	500 U (5u/μL) / 1 x 0.1 mL and 4 x 1 mL 5x Buffer	AZ-1505	\$195
Azura HS Taq DNA Polymerase	1000 U (5u/μL) / 2 x 0.1 mL and 8 x 1 mL 5x Buffer	AZ-1510	\$335
Azura HS Taq DNA Polymerase	5000 U (5u/μL) / 10 x 0.1 mL and 8 x 5 mL 5x Buffer	AZ-1550	\$1350
Ultra-Pure 40mM dNTP Mix	1 x 0.5 mL / 20 μmol	AZ-1261	\$39
Ultra-Pure 40mM dNTP Mix	4 x 0.5 mL / 80 μmol	AZ-1264	\$109
Ultra-Pure 100mM dNTP Set	4 x 0.25 mL / 100 μmol	AZ-1271	\$129
Ultra-Pure 100mM dNTP Set	4 x 4 x 0.25 mL / 400 μmol	AZ-1274	\$449