

# Azura 2x Taq Red Mix



## High-Throughput PCR Made Easy

Azura 2x Taq Red Mix is a ready-to-use master mix optimized for high-yield PCR amplification with a wide range of DNA templates. The high-performance 2x formulation is comprised of Azura Taq polymerase, a proprietary PCR enhancer, and reaction buffer with optimal levels of dNTPs and  $MgCl_2$ .

The easy-to-use Azura 2x Taq Red Mix requires the addition of only template, primers and water and therefore reduces the number of pipetting steps for better 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 600 bp and 350 bpDNA in 1% and 2% TAE agarose gels respectively.

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

### Applications

- Standard PCR
- Genotyping
- Colony PCR
- High-Throughput PCR
- Fast PCR

### Universal

Robust amplification across a wide range of DNA templates including assays with limited starting material

### Economical

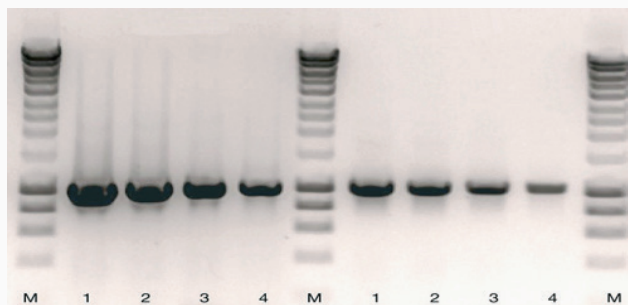
Low-cost and ready-to-use

### Convenience of Minimal Optimization

Simply replace your existing 2x Taq mix or polymerase

### Flexibility

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



**Fig 1. Superior Sensitivity and DNA yield with Azura™ Taq Mix.**

Azura™ Taq Mix was compared with an alternative Taq Polymerase Mix [GoTaq® G2] for amplification efficiency and yield [710bp fragment containing 56% GC content]. Left Panel - Azura™ Taq Mix with decreasing amounts of human genomic DNA (500ng, 250ng, 125ng, and 62.5ng). Right Panel - Comparative data using GoTaq® G2 Mastermix.

# Azura 2x Taq Red Mix



Products	Pack Size	Catalog No.	Price
Azura 2x Taq Red Mix	200 Reactions / 4 x 1.25 mL	AZ-1322	\$85
Azura 2x Taq Red Mix	1000 Reactions / 20 x 1.25 mL	AZ-1325	\$355
Azura 2x Taq Red Mix	2000 Reactions / 10 x 5 mL	AZ-1326	\$565
Azura 2x Taq Mix	200 Reactions / 4 x 1.25 mL	AZ-1302	\$85
Azura 2x Taq Mix	1000 Reactions / 20 x 1.25 mL	AZ-1310	\$355
Azura 2x Taq Mix	2000 Reactions / 10 x 5 mL	AZ-1320	\$565
Azura Taq DNA Polymerase	500 U (5u/μL) / 1 x 0.1 mL and 4 x 1 mL 5x Buffer	AZ-1205	\$75
Azura Taq DNA Polymerase	1000 U (5u/μL) / 2 x 0.1 mL and 8 x 1 mL 5x Buffer	AZ-1210	\$120
Azura Taq DNA Polymerase	5000 U (5u/μL) / 10 x 0.1 mL and 8 x 5 mL 5x Buffer	AZ-1250	\$515
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