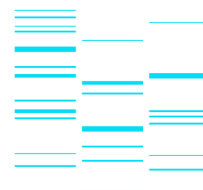


Azura 2x Taq Mixes

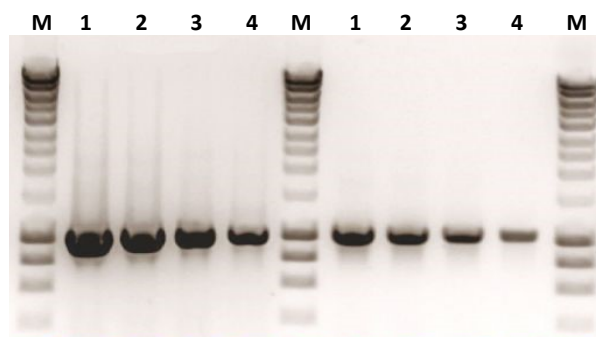


High-Throughput PCR Made Easy

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 MgCl₂.

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 bp 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 2x Taq Mix was compared with an alternative *Taq* Polymerase Mix (GoTaq® G2). For amplification efficiency and yield (710 bp fragment containing 56% GC content).

Left Panel - Azura Taq Mix with decreasing amounts of human genomic DNA (500 ng, 250 ng, 125 ng and 62.5 ng).

Right Panel—Comparative data using GoTaq® G2 master mix.

Products	Pack Size	Catalog No.
Azura 2x Taq Red Mix	200 Reactions / 4 x 1.25 mL	AZ-1322
Azura 2x Taq Red Mix	1000 Reactions / 20 x 1.25 mL	AZ-1325
Azura 2x Taq Red Mix	2000 Reactions / 10 x 5 mL	AZ-1326
Azura 2x Taq Mix	200 Reactions / 4 x 1.25 mL	AZ-1302
Azura 2x Taq Mix	1000 Reactions / 20 x 1.25 mL	AZ-1310
Azura 2x Taq Mix	2000 Reactions / 10 x 5 mL	AZ-1320
Azura Taq DNA Polymerase	500 U (5 U/μL)	AZ-1205
Azura Taq DNA Polymerase	1000 U (5 U/μL)	AZ-1210
Azura Taq DNA Polymerase	5000 U (5 U/μL)	AZ-1250

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