

**CATALYSTS FOR
YOUR INNOVATIONS**

Existing reagents are not keeping pace with the increasingly demanding performance requirements of clinical and other high-stringency applications. Watchmaker believes enzyme quality and differentiation is the key to unlocking meaningful assay improvements, and we purpose-build enzymes to address these application-specific performance gaps. Our ever-expanding portfolio currently includes:

Category	Product	Description
Precision Enzymes (engineered for demanding applications)		
Reverse Transcriptases	StellarScript HT+	Delivers best-in-class thermostability and inhibitor tolerance
	StellarScript HT	Provides increased thermostability and inhibitor tolerance
	StellarScript	Offers template switching and robust performance
DNA Polymerases	Equinox Polymerase*	Yields excellent fidelity, uniform sequence coverage, and high-complexity PCR products
Core Enzymes (enzymes of broad utility manufactured to high purity)		
RNase Inhibitors	RNase Inhibitor	Protects RNA from degradation at temperatures $\leq 55^{\circ}\text{C}$
DNA Polymerases (DNAP)	phi29 DNAP	Strong strand displacement activity and processivity for isothermal amplification with 3'→5' exonuclease activity
	Taq DNAP	Exhibits 5'→3' exonuclease activity, lacks 3'→5' exonuclease activity, and has strong terminal transferase activity to generate A-tailed products
	T4 DNAP	Exhibits 3'→5' exonuclease activity, lacks 5'→3' exonuclease activity, and forms blunted DNA ends by removing 3' overhangs and filling-in 5' overhangs
	E. coli DNAP	Exhibits both 3'→5' and 5'→3' exonuclease activity and performs nick translation and second strand synthesis
Ligases	T4 DNA Ligase	Joins blunt and cohesive (sticky) ends and repairs single-stranded nicks
Kinases	T4 Polynucleotide Kinase	Prepares DNA for ligation through 5' phosphorylation and 3' dephosphorylation
Single-strand DNA binding proteins	T4 Gene 32 Protein	Assists isothermal amplification applications

*2X and 4X mastermix formats

CUSTOMIZATION MADE EASY

We aim to make the customization process as painless as possible for our OEM partners. We view ourselves as an extension of your team and offer a variety of tailored services.



Custom fills and formats minimize waste and maximize your efficiency



White glove support and a dedicated project manager make customization seamless



Tailored packaging and labeling – including private label – designed to your unique specifications



Streamlined processes and flexible terms enable fast turnaround times and serve organizations of all sizes

OTHER ADVANTAGES OF PARTNERING WITH WATCHMAKER

- Rigorous process development and functional testing ensure robust and reliable performance every time
- Proprietary approach to purification delivers highly active enzymes with stringent QC specs
- Lyophilization-friendly formulations available
- All products are developed and manufactured within an ISO 13485:2016-certified QMS
- Guaranteed minimum shelf-life
- Single-lot shipments



Contact sales@watchmakergenomics.com
or visit [watchmakergenomics.com/enzymes](https://www.watchmakergenomics.com/enzymes) to learn more.

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