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# Cheetah™ FLEX HotStart Taq DNA Polymerase



## Product attributes

Storage Conditions Store at -10 to -35 °C

A fast-activating, antibody-free hot-start Taq polymerase engineered for fast-cycling qPCR and advanced applications like proximity extension assays (PEA).

## Product Description

Cheetah™ FLEX HotStart Taq is Biotium's proprietary chemically modified Taq polymerase designed for reducing non-specific DNA amplification in PCR. Cheetah™ Taq features a novel chemical modification that completely suppresses its activity prior to activation, and offers a much faster activation time than AmpliTaq Gold® or HotStartTaq®. Cheetah™ FLEX HotStart Taq is validated for fast cycling PCR and proximity extension assays (PEA).

**Note:** This product is available for licensing and bulk purchase; contact us at [techsupport@biotium.com](mailto:techsupport@biotium.com) for evaluation samples and to discuss custom size, packaging, or formulation options.

### A superior HotStart Taq for FLEXible applications

Antibody-based hot-start Taq polymerases, such as AmpliTaq Gold®, can suffer from inconsistent activation, limited pH tolerance, reduced shelf life, and contamination risk from animal DNA. Cheetah™ FLEX HotStart Taq solves these problems with a proprietary chemical modification that ensures complete inactivity until heat activation—no antibodies, no animal DNA. It offers a rapid 2-minute activation at 95 °C—up to 10x faster than AmpliTaq Gold® or HotStarTaq®. Cheetah™ FLEX is also more stable due to reduced risk of intramolecular cross-linking that can occur in AmpliTaq® Gold. It delivers the same fidelity and efficiency as native Taq polymerase.

Cheetah™ FLEX HotStart Taq is validated for fast-cycling PCR and also third-party validated for qPCR-based proximity extension assay (PEA) applications for protein detection. Cheetah™ FLEX HotStart Taq is available as a ready-to-use kit or standalone enzyme.

Also explore our [Forget-Me-Not™ qPCR Master Mixes](#) featuring Cheetah™ Taq, and [Cheetah™ PEA-PLEX](#), specially formulated for NGS-based, high-throughput PEA.

Product Name	Format	Size	Cat. No.	Price
<a href="#">Cheetah™ FLEX HotStart Taq</a>	500 U Taq with Buffer Pack	Kit (100 uL of 5 U/uL)	29079-KIT	\$250
Enzyme Only	1 mL (5 U/uL)	29079-1ML	\$2,250	
10 mL (5 U/uL)	29079-10ML	\$20,000		
100 mL (5 U/uL)	29079-100ML	\$125,000		
<a href="#">Cheetah™ PEA-PLEX HotStart Taq</a>	Enzyme Only	100 uL (5 U/uL)	29138-100UL	\$275
1 mL (5 U/uL)	29138-1ML	\$2,500		
10 mL (5 U/uL)	29138-10ML	\$22,500		
100 mL (5 U/uL)	29138-100ML	\$150,000		

Please contact us at [techsupport@biotium.com](mailto:techsupport@biotium.com) for purchasing of bulk 10 mL and 100 mL sizes, or to discuss sampling, custom packaging, or custom formulation options.

AmpliTaQ Gold

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Product link: <https://biotium-woo.supremeclients.com/product/cheetah-flex-hotstart-taq-dna-polymerase/>