

## Cheetah™ PEA-PLEX HotStart Taq DNA Polymerase

A fast-activating, antibody-free hot-start Taq polymerase formulated for NGS-based high-throughput proximity extension assays (PEA).



### Product attributes

Storage Conditions

Store at -10 to -35 °C

### Product Description

Cheetah™ PEA-PLEX HotStart Taq is a unique formulation of Biotium's chemically modified Cheetah™ Taq polymerase validated by third parties specifically for NGS-based high-throughput proximity extension assays (PEA) for protein detection. Cheetah™ PEA-PLEX is suitable for fast cycling qPCR, as well.

#### Features

- Unique formulation for NGS-based high-throughput PEA
- Also works for fast cycling qPCR
- Rapid hot-start activation via novel chemical modification
- Antibody-free, low-DNA Taq for cleaner results
- Superior long-term stability compared to other chemically modified Taq
- Bulk formats available

**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.

#### Uniquely formulated for NGS-based high-throughput PEA

Cheetah™ PEA-PLEX HotStart Taq is a highly optimized formulation that was developed specifically for NGS-based high-throughput proximity extension assays (PEA). Similar to [Cheetah™ FLEX HotStart Taq](#), Cheetah™ PEA-PLEX HotStart 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®.

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™ PEA-PLEX 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™ PEA-PLEX 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](#) offers a flexible formulation suitable for both fast cycling PCR and non-NGS PEA assays. Also explore our [Forget-Me-Not™ qPCR Master Mixes](#) featuring Cheetah™ Taq.

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.com/product/cheetah-pea-plex-hotstart-taq-dna-polymerase/>