

# Horse-Power™ Taq DNA Polymerase MasterMix 2x

Designed to Integrate with Your Diagnostic Tools

## Enhance Your Diagnostics: Our MasterMix Delivers Accuracy and Efficiency for Healthcare Innovators and Researchers

At **Canvax**, we have **over 12 years** of expertise in **developing products for molecular diagnostics**, thus we understand the crucial need for precision and adaptability in **manufacturing diagnostic tools**. Our **MasterMix** solutions are meticulously crafted to **meet the rigorous demands of diagnostic applications**, ensuring unparalleled **reliability** and **flexibility** for **accurate and efficient results**.

### Threefold Advantage: Reliable, Simple, and Fast

**Horse-Power™ Taq DNA Polymerase MasterMix (2x)** is an optimized, **easy-** and **ready-to-use** MasterMix manufactured under the best quality standards, **ISO 9001** and **ISO 13485**. This ensures unparalleled **consistency** from lot to lot, guaranteeing **reproducibility** and **reliability** in every application. The convenient formulation not only **saves valuable time** but also **simplifies your workflow** for seamless integration into your diagnostic processes.

### Exceptional Purity for Superior Performance

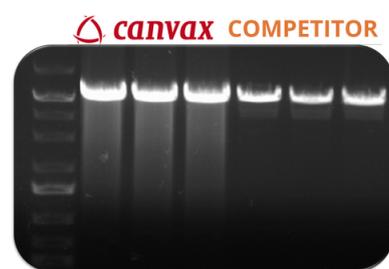
**Canvax** has developed a stringent **purification protocol** for key MasterMix components, like **Taq Polymerase**. We rigorously eliminate contaminant proteins (**purity ≥98%**) and their undesired activities downstream. Our process **removes residual host DNA**, ensuring accuracy and reliability. Stringent **bioburden controls** are also implemented during manufacturing. Additionally, our **TruePure™ dNTPs** can be seamlessly integrated into the MasterMix to elevate its performance to the pinnacle of excellence.

### One trusted enzyme for diverse challenges

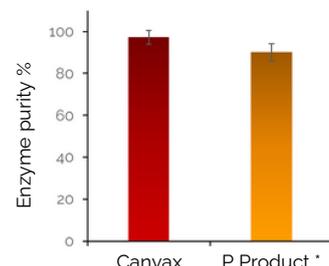
Our **Horse-Power™ Taq DNA Polymerase MasterMix (2x)** can be included in **several DNA amplification processes**. For standard **PCR** processes, **amplification of DNA mixtures** and detection of **specific sequences** with the appropriate probe, integration in reactions with **dTUP** and **UDG** to avoid carryover contamination, and incorporation of **labeled nucleotides**, among others.

### Seamless integration

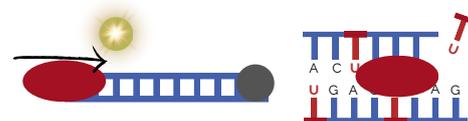
As **original manufacturers**, we offer unparalleled **flexibility** in product customization. Whether you require an **x5 concentration mixture**, a **lyophilization-friendly formulation**, or **larger package sizes**, Canvax has the solution. Moreover, our **extensive catalog of MasterMix solutions** allows for the inclusion of additional MasterMix components, ensuring your unique needs are met.



**Fig 1.** Amplification of same target by consistent Canvax's Horse-Power™ Taq DNA Polymerase MasterMix versus Competitor's Taq polymerase.



**Fig 2.** Comparative enzyme purity between (\*) one of the most marketed Taq brand and Canvax's.



**Fig 3.** Some of the applications that can be performed with Canvax's Horse-Power™ Taq DNA Polymerase MasterMix (2x)



**Fig 4.** Canvax offers the option to customize MasterMix solutions to facilitate its integration into your workflows.



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## About us

Since 2001, Canvax has been an **original Manufacturer & Supplier** of the Most Innovative, **Enzymes, Kits, Buffers and Reagents**. Due our customizable and adaptable manufacturing structure, reduced overhead and capacity to BULK manufacturing with the highest quality standards, we are **leading the Life Science industry in terms of product performance, manufacturing capabilities and customer service**.

## Quality & Certifications

Thanks to its **first-class manufacturing facilities**, Canvax offer **a solution for all the stages of your process development**. From **research-use** to **preclinical** studies or **diagnostic** applications, assuring that the product quality won't represent a problem in the future.

4,500 m<sup>2</sup> of facilities certified for **ISO 9001, ISO 13485** and **cGMP**.

## Scalable & Customizable

Canvax proudly offers a **customized solution** ad-hoc to customer needs including **lyophilization-friendly formulation** and at different volumes, from **lab-scale** (milliliters) to **industrial-scale** (liters) in a few weeks.

As original manufacturer, free of third-party IP, we ensure **streamlined agility**. A smooth, and secure solution with **short manufacturing times** and a **robust supply chain**

## Experienced team

Our **60+ employees** (~35% PhD) have **wide experience** across all stages of the **value chain of diagnostic tools**, from research up to clinical stage. A dedicated personnel stands **ready to address any questions** you may have regarding the **integration of our enzymes into your kits**. Count on us to streamline your journey from discovery to commercialization, ensuring seamless and successful outcomes.

### How to start?

If you are interested to learn more, please write us at [info@canvaxbiotech.com](mailto:info@canvaxbiotech.com) or visit [canvaxbiotech.com/contact-us](https://canvaxbiotech.com/contact-us). Our Business Development Team will contact you shortly.

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