



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.

 **canvax** COMPETITOR

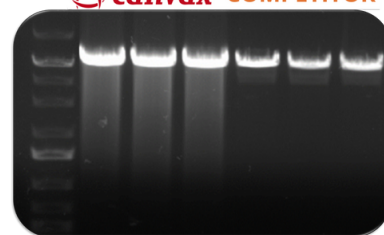


Fig 1. Amplification of same target by consistent Canvax's Horse-Power™ Taq DNA Polymerase MasterMix versus Competitor's Taq polymerase.

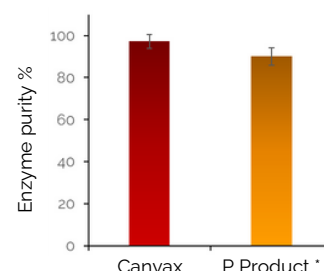


Fig 2. Comparative enzyme purity between (*) one of the most marketed Taq brand and Canvax's.

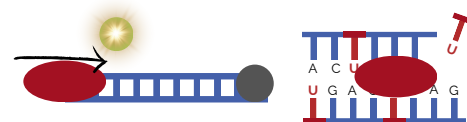


Fig 3. Some of the applications that can be performed with Canvax's Horse-Power™ Taq DNA Polymerase MasterMix (2x)



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 m² 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 or visit canvaxbiotech.com/contact-us. Our Business Development Team will contact you shortly.

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