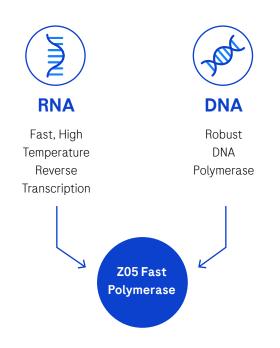


HawkZ05 Fast Polymerase

Single enzyme for fast and efficient RNA & DNA amplification

The choice of polymerase is a crucial component to success in amplification, for both RNA and DNA. CustomBiotech offers a single-enzyme solution for Real-Time PCR detection of both targets – HawkZ05 Fast Polymerase. HawkZ05 Fast Polymerase enables you to run fast one-step RT-PCR protocols with just one enzyme. The enzyme aptamer oligonucleotide mixture is a reversible, temperature-dependent hot start system. The aptamer acts as a molecular switch, changing its temperaturedependent tertiary structure. Dropping the temperature below +55°C shuts off the polymerase activity, while temperatures above +60°C fully activate the enzyme.



HawkZ05 Fast Polymerase benefits:

• Achieve improved convenience and flexibility in IVD PCR workflows

HawkZ05 Fast Polymerase hot start system enables simultaneous detection of both RNA and DNA targets, such as HCV and HPV.

- Develop and run assays for difficult targets Achieve reliable amplification of your low-copy and complex RNA targets due to high temperature reverse transcription at 60–65°C and improved RNA processivity.
- Reduce time to result

Use a fast PCR protocol to reduce your total assay and turnaround time (TAT) without loosing sensitivity and linearity. Run RT-PCR reaction in as little as 44 minutes.

• Easily work with crude samples

Hawk Z05 Fast Polymerase shows high inhibitor tolerance towards PCR inhibitors such as Heparin and SDS, and robust performance in problematic clinical samples from, for example, stool or nasal swabs.

 Suitable for various diagnostic PCR systems and applications

Glycerol-free enzyme available for lyophilization and improved liquid handling.

Obtain consistent results

Rely on our standardized manufacturing processes, including extensive QC release testing and thus, high lot-to-lot consistency, providing the perfect basis for (IVD) kit manufacturers and end users.

Ordering information

Product	Pack size	Catalog Number
HawkZ05 Fast DNA Polymerase, glycerol-free, 200 U/µl	Custom fill	07 731 329 103
Related products	Pack size	Catalog Number
NucleoMixes PCR Grade		
dATP, dCTP, dGTP, dTTP (25 mmol/l each)	20 ml 100 ml	04 920 171 103 03 991 016 103
dATP, dCTP, dGTP, dTTP (10 mmol/l each)	100 ml	03 186 083 103
dATP, dCTP, dGTP, dUTP (25 mmol/l each)	20 ml	04 980 905 103
dATP, dCTP, dGTP, dUTP (10 mmol/l each)	100 ml	03 186 075 103

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