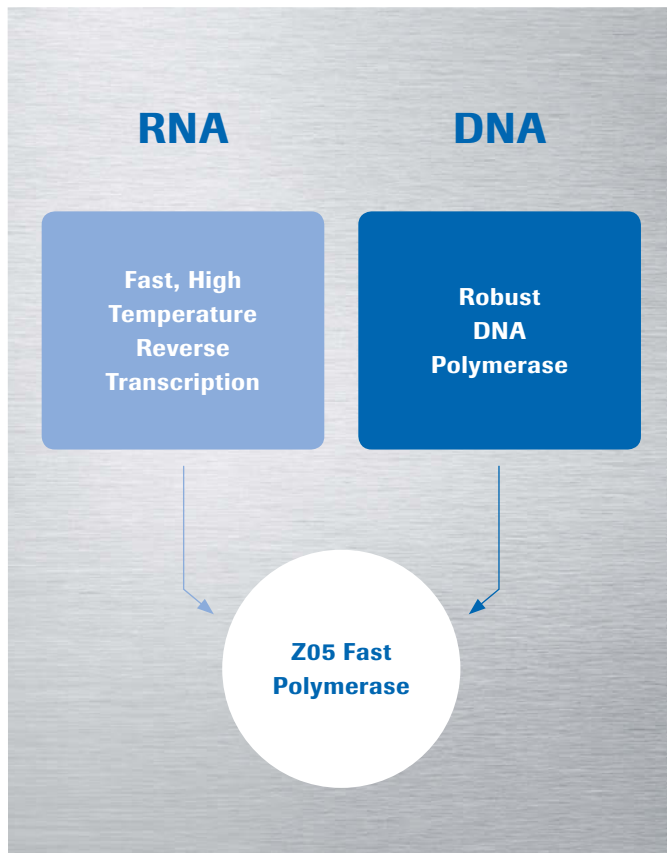


## HawkZ05 Fast Polymerase

### *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 temperature-dependent 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 losing 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<br>Polymerase, 40 U/µl                 | Custom fill | 07731264103    |
| HawkZ05 Fast DNA<br>Polymerase, Glycerol-free, 200 U/µl | Custom fill | 07731329103    |

| Related products                           | Pack size       | Catalog number             |
|--|-----------------|----------------------------|
| NucleoMixes PCR Grade                      |                 |                            |
| dATP, dCTP, dGTP, dTTP<br>(25 mmol/l each) | 20 ml<br>100 ml | 04920171103<br>03991016103 |
| dATP, dCTP, dGTP, dTTP<br>(10 mmol/l each) | 100 ml          | 03186083103                |
| dATP, dCTP, dGTP, dUTP<br>(25 mmol/l each) | 20 ml           | 04980905103                |
| dATP, dCTP, dGTP, dUTP<br>(10 mmol/l each) | 100 ml          | 03186075103                |

## Regulatory disclaimer

For further processing only.

## Trademark

HAWKZ05 is a trademark of Roche.

[custombiotech.roche.com](http://custombiotech.roche.com)

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