

RT-PCR and RT-qPCR Kits

Eco-friendlier* products for specific, sensitive and robust PCR

This fact sheet explains the inclusion of products in our Go Greener program. The program identifies products within the QIAGEN portfolio that are more eco-friendly compared to our traditional products. The RT-PCR and RT-qPCR kits provide a more eco-friendly alternative to the standard QIAGEN kits by allowing the majority of their components to be stored at 2–8 °C, reducing the need for freezer storage. Only the Reverse Transcriptase tubes and internal control (IC) RNA, if included, require freezing to maintain stability. This significantly lowers energy consumption and saves valuable freezer space compared to the standard, fully freezer-stored kits.



miRCURY LNA Probe PCR System.

- **Improved stability** – majority of the kits' contents can be stored outside freezers at 2–8 °C for up to 6–12 months.

Improved stability

The RT-PCR and RT-qPCR kits feature improved stability by allowing most components to be stored at 2–8 °C for up to 6–12 months, significantly reducing the need for freezer storage while assuring consistent and reliable performance. Only the Reverse Transcriptase tubes and IC RNA, if included, require freezing. In contrast, our standard RT-PCR and RT-qPCR kits need to be fully stored in freezers. Standard freezers at temperatures of -20 °C or biosafety cabinets consume as much energy as 0.5 households (1).

Detailed storage options are listed in the respective kit handbooks.

(1) Freese T, Elzinga N, Heinemann M, et al. RSC Sustain. 2024;2:1300–1336

*As compared to the standard QIAGEN kits.

Most components in our eco-friendly RT-PCR and RT-qPCR kits are suitable for storage at 2–8°C upon receipt, significantly reducing freezer energy consumption compared to the standard QIAGEN kits.

Ordering information

Product	Contents	Cat. no. *
miRCURY LNA SYBR Green PCR Kit (200)	For 200 reactions	339345
miRCURY LNA Probe PCR Kit (200)	For 200 reactions	339371
QuantiNova SYBR Green RT-PCR Kit (100)	For 100 x 20 µl reactions	208152
QuantiNova Probe RT-PCR Kit (100)	For 100 x 20 µl reactions	208352
QuantiNova Multiplex RT-PCR Kit (100)	For 100 x 20 µl reactions	208552
QuantiNova Pathogen +IC Kit (100)	For 100 x 20 µl reactions	208652
QuantiTect SYBR Green RT-PCR Kit (200)	For 200 x 50 µl reactions	204243
QuantiTect Probe RT-PCR Kit (200)	For 200 x 50 µl reactions	204443
QuantiTect Multiplex RT-PCR NR Kit (200)	For 200 x 50 µl reactions:	204843
QuantiTect Multiplex RT-PCR NR Kit (1000)	For 1000 x 50 µl reactions	204845
QuantiTect Multiplex RT-PCR Kit (200)	For 200 x 50 µl reactions	204643
QuantiTect Multiplex RT-PCR Kit (1000)	For 1000 x 50 µl reactions	204645
QIAGEN OneStep Ahead RT-PCR Kit (50)	6 vials for 50 reactions	220211

* Several kit sizes available.

To order online, visit www.qiagen.com/rtpcr-rtqpcr-order

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

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