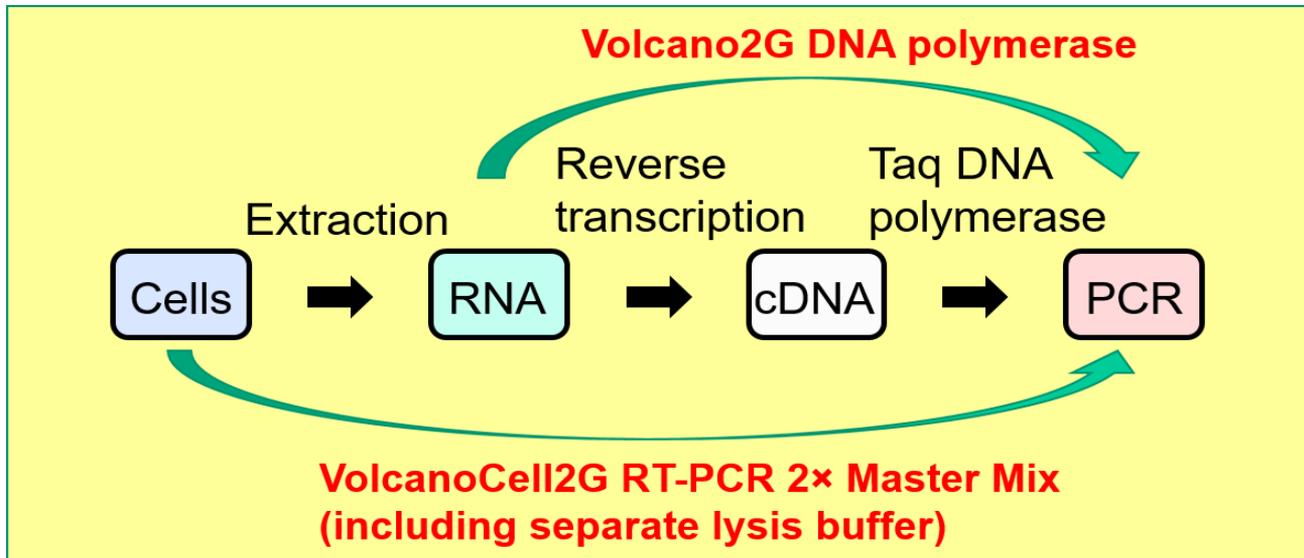


Volcano2G DNA polymerase

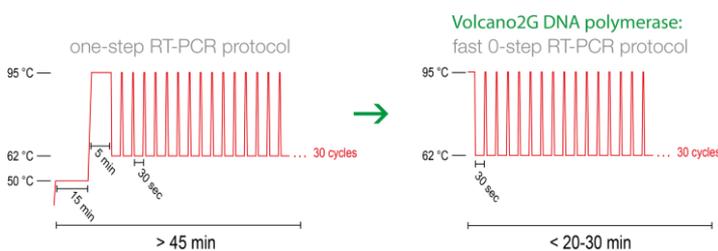


For more information : https://www.funakoshi.co.jp/exports_contents/81432



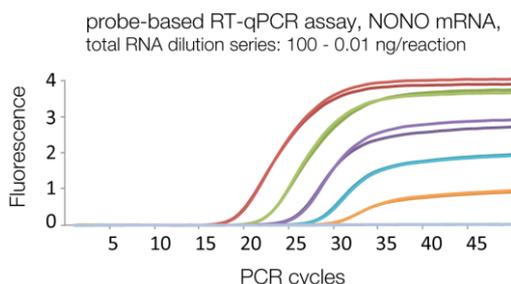
Save time! Convenient RT-PCR with “zero-step” protocols.

Volcano2G DNA polymerase is an extremely thermostable enzyme that has both reverse transcriptase and DNA polymerase activities. The bifunctional enzyme facilitate “zero-step” RT-PCRs directly from RNA templates (without an isothermal reverse transcription step), as reverse transcription occurs simultaneously with DNA amplification during the cycled PCR elongation step. One-step RT-PCR protocol typically requires more than 45 minutes, however, the zero-step protocol finishes within 20-30 min.



Save time with zero-step protocols

Isothermal reverse-transcription step is eliminated and immediately start PCR amplification. Volcano2G is a PCR-active reverse transcriptase with extreme thermostability with a half-life at 95° C of >40 min.



Sensitive RNA detection

Volcano2G DNA polymerase can also be used for real-time PCR when adding a real-time PCR dye. Volcano2G has a Taq DNA polymerase-like nuclease domain suitable for hydrolysis probe-based assays.

As demonstrated left, NONO mRNA was detected using a 10-fold dilution series of total RNA by using a probe-based qPCR assay and the zero-step RT-PCR protocol.

Product Information

[Manufacturer : MYP]

Product Name	Code	Size	Storage	Price
Volcano2G DNA polymerase	8100S	250 units	-20°C	
	8100M	1000 units		

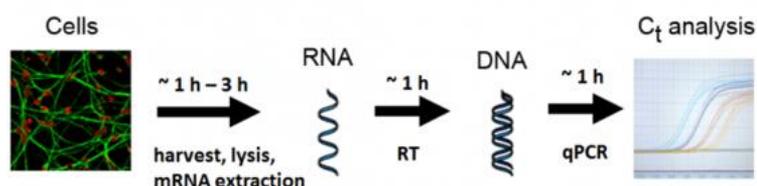
VolcanoCell2G RT-PCR 2 × Master Mix

Direct RT-PCR from cells

For a reliable RT-PCR, RNA sample preparation steps are critical. However, isolating RNA is laborious, time consuming and requires extra consumables. Our VolcanoCell2G RT-PCR 2x Master Mix with lysis buffer, eliminates RNA preparation and start RT-PCR directly from cells with a fast and convenient 'zero-step' protocol.

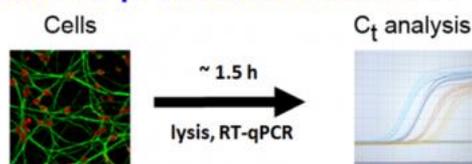
simplify your...

two-step standard RT-qPCR

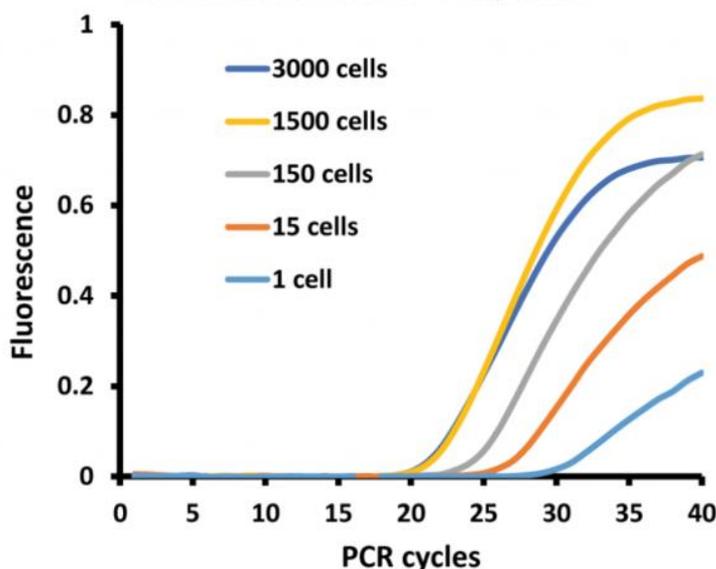


in a....

'zero-step' direct from cells RT-qPCR



mRNA detection direct from cells: Volcano2GCell probe-based RT-qPCR, GAPDH mRNA, LUHMES dilution series: 3000 - 1 cells/reaction



Saves time and money

VolcanoCell2G RT-PCR 2x Master Mix allows direct amplification from cells in a single-reaction tube. This Master Mix has a separate lysis buffer with a streamlined 'zero-step' workflow eliminating laborious RNA extraction and purification steps, ideal for high-throughput and speed saving you both time and money.

Superior sensitivity

VolcanoCell2G RT-PCR 2x achieves detection sensitivities down to single cells. In this example, GAPDH mRNA was detected from a single Lund human mesencephalic (LUHMES) cell following the VolcanoCell2G protocol. A publication with more examples can be found in the Publications section.

Product Information

[Manufacturer : MYP]

Product Name	Code	Size	Storage	Price
VolcanoCell2G RT-PCR 2x Master Mix (including separate lysis buffer)	7101S	100 tests	-20°C	
	7101M	500 tests		

NOTE | ※ All products here are research use only, not for diagnostic use.
 ※ Specs might be changed for improvement without notice.
 ※ Numbers after "#" represents product code.

※ Company name and product name are trademark or registered mark.
 ※ Please contact your local distributors for orders, quote request and inquiry.

Your Local Distributor

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