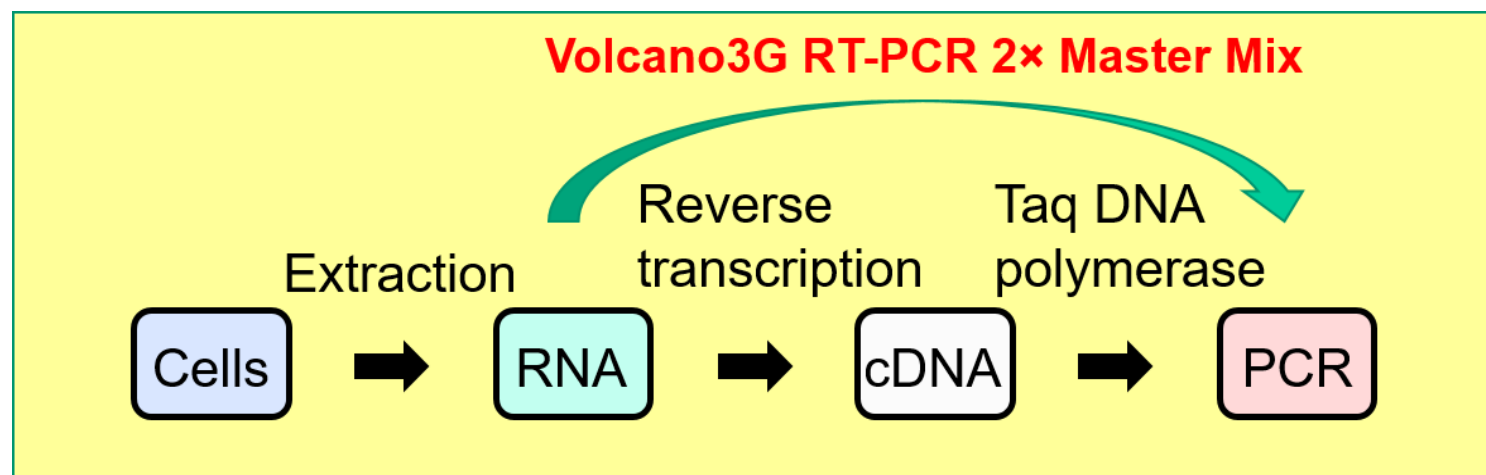


Volcano3G RT-PCR 2x Master Mix

Upgrade
version

For more information : https://www.funakoshi.co.jp/exports_contents/81467



Save time and high sensitive RT-PCR with “zero-step” protocols.

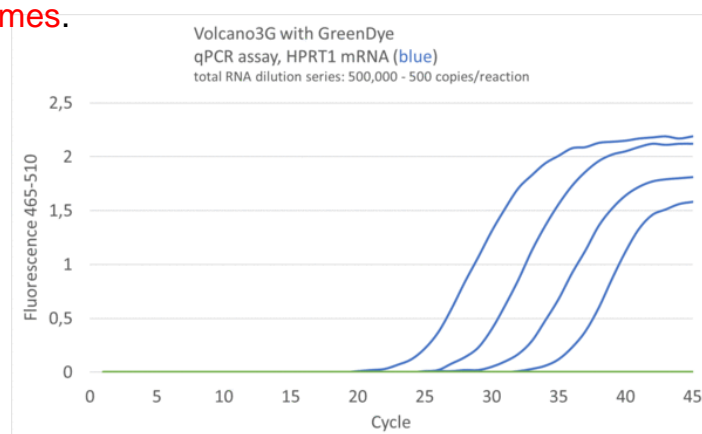
Volcano3G DNA polymerase is an extremely thermostable enzyme that has both reverse transcriptase and PCR activity. These two-functions from a single enzyme facilitate zero-step RT-PCRs directly from RNA templates as reverse transcription occurs at the same time with DNA amplification during the cycled PCR elongation step.

The Volcano3G RT-PCR Probe 2x Master Mix has been successfully used for Corona virus (SARS-CoV-2, COVID-19) detections by several different researchers.

Improved Sensitivity

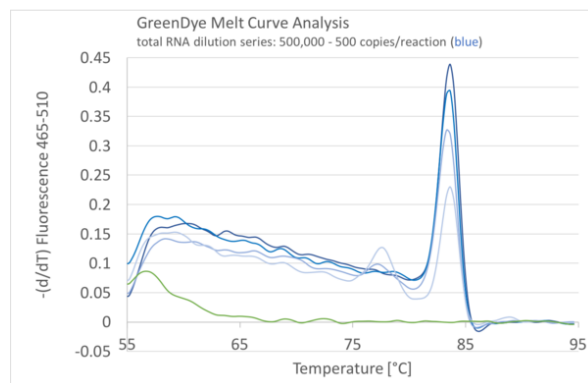
Volcano3G is the next generation of our Volcano2G with an improved performance. Volcano3G shows an **improved detection of mRNA down to 500 total copies**, which is clearly distinguishable from the No Template Control (NTC). The brighter fluorescent signal provided by the Volcano 3G Master Mix enables an easy and precise quantification. **Volcano3G RT-PCR mix showed to be more sensitive than Volcano2G RT-PCR mix by 10 times.**

Artificial HPRT1 mRNA was detected down to 500 copies with Volcano3G RT-PCR 2x Master mix with a sensitive DNA binding dye with negligible polymerase inhibition.



HRM experiment

Volcano3G RT-PCR 2x Master mix with GreenDye is suitable for high resolution melting (HRM) experiments, allowing you to quickly identify unspecific amplicons and thus saves time and effort when optimizing PCR.



Application

- Rapid detection and identification of RNA & DNA targets
- Reverse transcription qPCRs (RT-qPCRs)
- Real-time PCR
- qPCRs
- Multiplex PCR
- Probe-based PCR
- Pathogen detection
- End-point PCR
- SELEX

Product Information

[Manufacturer : MYP]

Volcano3G RT-PCR Mix is available in various formats with or without ROX or GreenDye.

Volcano3G RT-PCR 2x Master Mix is a ready-to-use master mix. It is supplemented with GreenDye, a highly sensitive DNA binding dye with low polymerase inhibition and suitable for high resolution melting experiments.

Volcano3G RT-PCR 2x Master Mix (w/o GreenDye) is optimized for probe based assays. These are also available with or without ROX reference.

Product Name	Code	Detection	ROX	Size	Storage	Price
Volcano3G RT-PCR 2x Master Mix	6301S	GreenDye	-	100 tests	-20°C	
	6401LoS		Low	100 tests		
	6401HiS		High	100 tests		
	6101S	TaqMan probe	-	100 tests		
	6101M		-	500 tests		
	6201LoS		Low	100 tests		
	6201HiS		High	100 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



Bio-REV Pte. Ltd.

Block 211 Woodlands Avenue 9
#08-78/79 Woodlands Spectrum II
Singapore 738 960
TEL : +65-6555-9001
FAX : +65-6555-9030
Email: sales@bio-rev.com
Technical Support: techserv@bio-rev.com

Funakoshi Co., Ltd.

Address: 9-7 Hongo 2-Chome, Bunkyo-ku,
Tokyo 113-0033 JAPAN
Phone : +81-3-5684-6296
Fax : +81-3-5684-6297
Email : export@funakoshi.co.jp

MYP-2004-F18 (2020.04)