vivantis

COVID-19 Testing Kit

ELEVATE your COVID-19 testing capacity

Recommended COVID-19 testing tools from A-Z

Complete Solution for COVID-19 Testing

VTM buffers consists of swabs & nasopharyngeal swabs

Blood

Plasma

Cell culture samples

Nucleic Acid Extraction

GF-1 Viral Nucleic Acid Extraction Kit (Mini-Prep Kit)

- Rapid and efficient purification of viral DNA/ RNA from samples such as serum, plasma, body fluid, virus-infected cell culture supernatant and VTM buffers consists of virus infected swabs
- Efficient recovery of highly pure DNA or RNA
- Purified DNA/RNA is suitable for downstream reactions, such as RT-qPCR and library prep generation sequencing
- Eliminates the need of toxic or organic-based extraction

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Pairing Nature with Scientific Discoveries

For research use and for use in diagnostic procedures.

One Step RT-qPCR Master Mix

ViPrimePLUS One Step At*Taq* RT-qPCR Master Mix

- Formulation optimized with Hot Start *Taq*, M-MULV enzyme and enhancers
- ROX dye is supplied separately
- Compatible with most of the real-time PCR platform
- Multiplex up to 3 targets

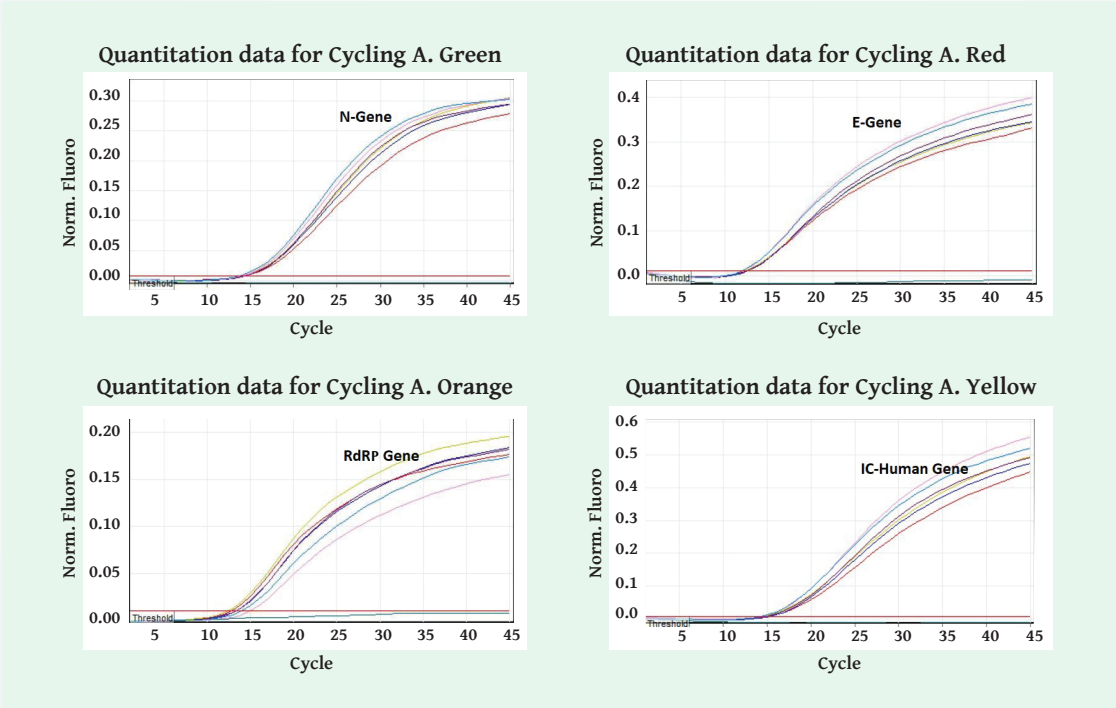
Ordering information:

Catalogue No.	Description	Pack Size
GF-RD-100	GF-1 Viral Nucleic Acid Extraction Kit (Proteinase K & Carrier RNA included)	100 preps
QM50811	ViPrimePLUS 2019-nCoV Multiplex RT-qPCR Kit	100 preps

Multiplex RT-qPCR Assay

ViPrimePLUS 2019-nCoV Multiplex RT-qPCR Kit

- Multiplex detection in a single tube: N gene, RdRP gene and E gene
- Ready-to-use solution with all necessary components (primer, probe and master mix) in a single tube
- Internal control (IC): human gene is included
- Validation report available
- Minimize technical error
- Enable immediate reaction set up with short processing time



Well/Sample	Ct value			
	FAM	CY5	Texas Red	Hex
1/Pos control 1	14.36	12.43	12.87	15.01
2/Pos control 2	13.94	12.39	12.45	14.07
3/Pos control 3	14.43	12.68	13.42	15.11
4/Pos control 4	14.24	12.50	13.36	14.56
5/Pos control 5	14.01	12.10	15.01	14.11
6/Pos control 6	13.62	12.01	14.06	14.18
7/NTC	No Ct	No Ct	No Ct	No Ct

Figure: The graphs show the consistency of the kit performance for different genes in ViPrimePLUS 2019-nCoV Multiplex RT-qPCR Kit. The kit was tested for stability from week one until week six for ready-to-use One Step RT-qPCR pre-mixed with four different genes of primers and probes in the real-time master mixes. The graphs and Ct values show that the kit has stable and consistent performance.

Vivantis Technologies Sdn. Bhd.
Vivantis Technologies

General Enquiries: info@vivantechnologies.com
Technical Support: vivalab@vivantechnologies.com