

# Hieff Unicon™ V Lyo-nCoV Multiplex One Step RT-qPCR Kit

## (with MgCl<sub>2</sub>)

### Product Information

Product name	Cat#	Size
	13775ES60	100 T
Hieff Unicon™ V Lyo-nCoV Multiplex One Step RT-qPCR Kit (with MgCl <sub>2</sub> )	13775ES80	1000 T
	13775ES92	10000 T

### Product Description

The Hieff Unicon™ V Lyo-nCoV Multiplex One Step RT-qPCR Kit (with MgCl<sub>2</sub>) is a kit for multiplex quantitative PCR reactions using RNA as template. During the experiment, reverse transcription and quantitative PCR are performed in the same reaction tube, simplifying the experiment and reducing the risk of contamination. The unique Buffer and enzyme design allows for the preparation and product design of one-step RT-qPCR lyophilisation reaction systems.

The kit uses heat resistant Hifair™ V Reverse Transcriptase for efficient synthesis of first strand cDNA and UNICON™ HotStart Taq DNA Polymerase for quantitative amplification. The kit mainly contains optimized lyophilized Buffer, Enzymes Mix, etc., with factors that effectively inhibit non-specific PCR amplification and factors that enhance the amplification efficiency of multiplex qPCR reactions, allowing multiplexed fluorescent quantitative amplification reactions to be performed while maintaining primer amplification efficiency.

This kit has a matching lyophilisation protector in the enzyme mix and can be used directly for lyophilisation.

### Product Components

Component number	Components	Cat#/Size		
		13775ES60 (100 T)	13775ES80 (1000 T)	13775ES92 (10000 T)
13775-A	4×Hifair™ V Lyo-Buffer	600 µL	6 mL	60 mL
13775-B	MgCl <sub>2</sub> (25 mM)	500 µL	5 mL	50 mL
13775-C	10×Hifair™ V Lyo-Enzyme Mix	240 µL	2.4 mL	24 mL

[Note]:

- 4×Hifair™ V Lyo-Buffer is short for Lyo-nCoV Multiplex One Step RT-qPCR Probe Buffer.
- The 10 x Hifair™ V Lyo-Enzyme Mix contains mainly heat resistant Hifair™ V Reverse Transcriptase and UNICON™ HotStart Taq DNA Polymerase.

### Applicable models

ABI 5700, 7000, 7300, 7700, 7900HT Fast, StepOne, StepOne Plus, ABI 7500, 7500 Fast, ViiA7, QuantStudio 3 and 5, QuantStudio 6,7,12k Flex, Stratagene MX3000P, MX3005P, MX4000P, Bio-Rad CFX96, CFX384, iCycler iQ, iQ5, MyiQ, MiniOpticon, Opticon, Opticon 2, Chromo4, Eppendorf Mastercycler ep realplex, realplex 2 s;

Qiagen Corbett Rotor-Gene Q, Rotor-Gene 3000, Rotor-Gene 6000, Roche Applied Science LightCycler 480, LightCycler 2.0; Lightcycler 96, Thermo Scientific PikoReal Cycler;

Cepheid SmartCycler; Illumina Eco qPCR

### Shipping and Storage

The product is shipped with ice packs and can be stored at -20°C for 9 months. Please avoid repeated freeze-thaw.

## **Cautions**

1. Please use RNase free consumables during the experiment.
2. For your safety and health, please wear lab coats and disposable gloves for operation.