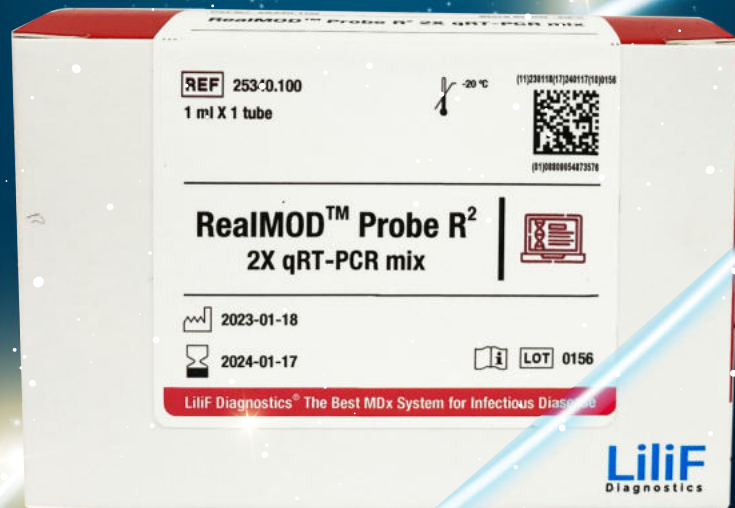


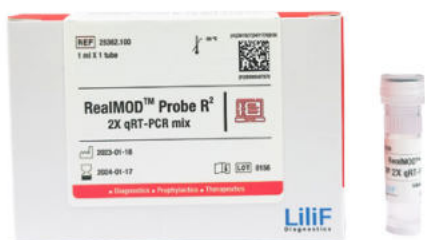
Super **Star** Product

RealMOD™ Probe **R²** 2X qRT-PCR (with UDG)



www.intronbio.com

Specification



RealMOD™ Probe R² 2X qRT-PCR (with UDG)

- Excellent reproducibility and stability against interferences
- Minimize cross contamination by applying UDG
- Minimize non-specific reactions by including Hot-Start function
- RNA as a template for cDNA synthesis and real-time RT-PCR
- Reaction volume adjustable by 2X MasterMix type

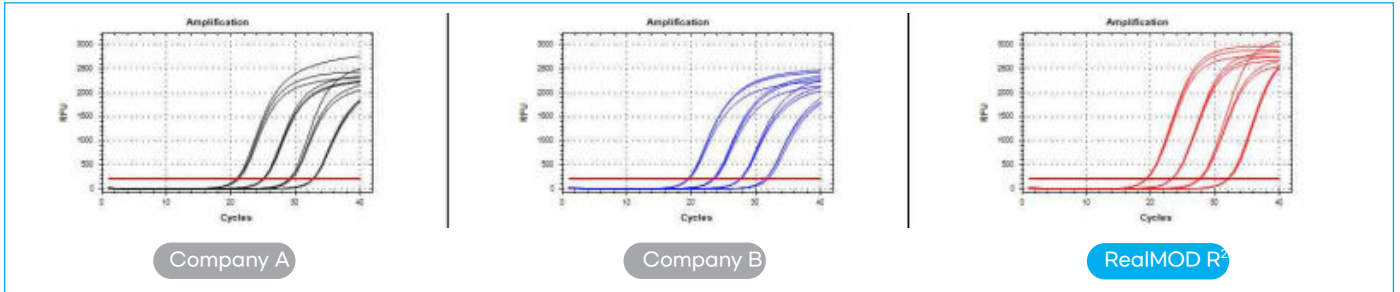
RealMOD™ Series

Product Name	RealMOD™ Probe R ² 2X qRT-PCR (with UDG)	RealMOD™ Probe M ² 2X qPCR (with UDG)	RealMOD™ Probe M ² 2X qRT-PCR (with UDG)
Cat No. (Unit)	25362.100 (100rxn) 25362.500 (500rxn) 25362.1000 (1000rxn)	25360.100 (100rxn) 25360.500 (500rxn) 25360.1000 (1000rxn)	25361.100 (100rxn) 25361.500 (500rxn) 25361.1000 (1000rxn)
Adjective Principle	UDG System applied HotStart PCR Function	UDG System applied HotStart PCR Function	UDG System applied HotStart PCR Function
Characteristics	<ul style="list-style-type: none"> • Improved detection performance • Minimize interfering substances • Cold UDG system 	<ul style="list-style-type: none"> • Less cross contamination • Master mix type • Excellent stability & reproducibility 	<ul style="list-style-type: none"> • Less cross contamination • Master mix type • Excellent stability & reproducibility
QR Code			

Technical Data-1

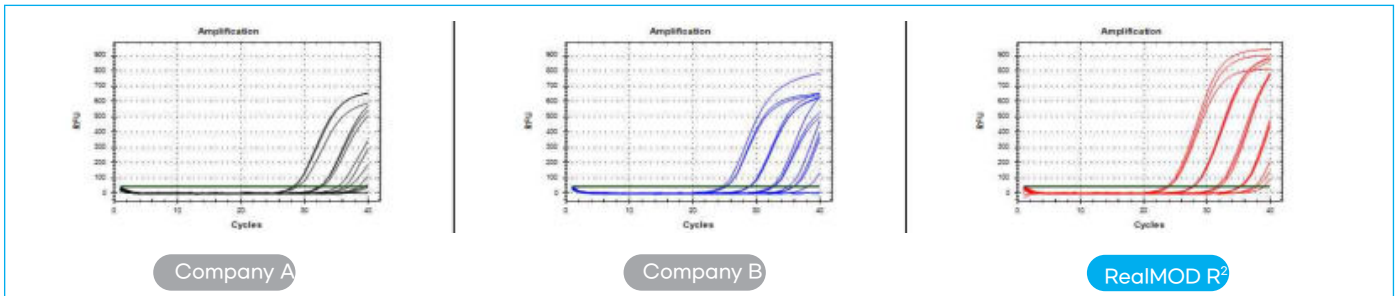
Sensitivity

Human Target : N gene of SARS-CoV-2



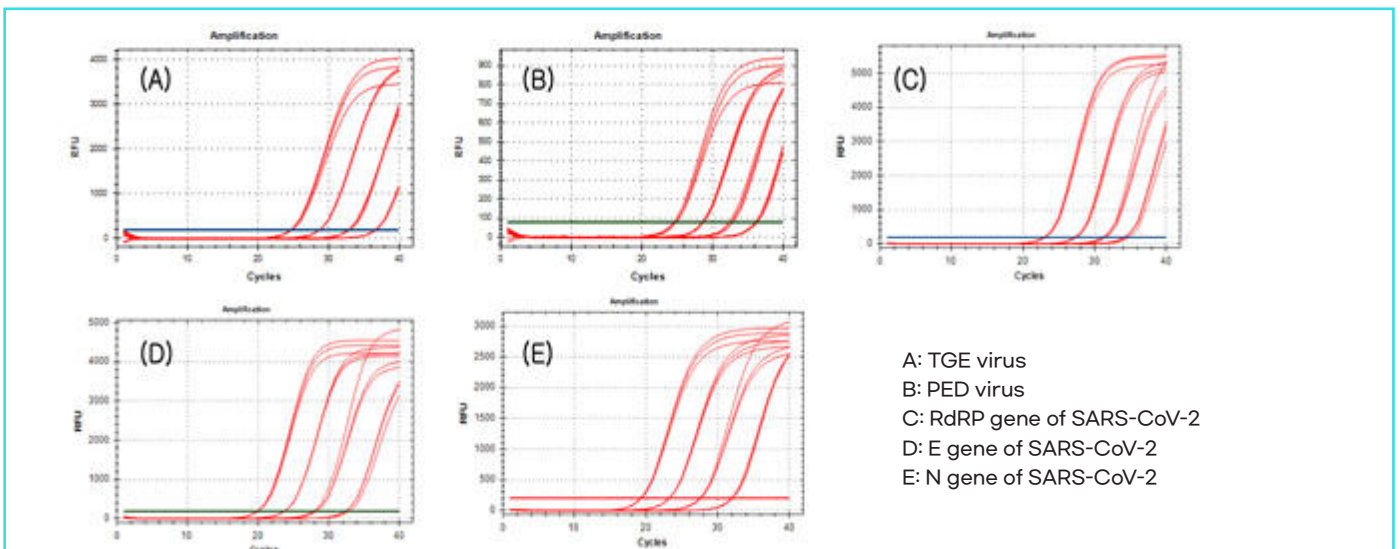
SARS-CoV-2 RNA was used, and as a result of testing by **10 fold dilution**, the sigmoidal pattern of the R2 graph and **the improvement of the Rn value** were confirmed compared to the other companies

Animal Target : PED (Porcine Epidemic Diarrhea Virus)



PED RNA extracted from the vaccine was used, and as a result of testing by dilution by **10 fold**, the sigmoidal pattern of the R2 graph and **the improvement of the Rn value** were confirmed compared to the other companies

Specificity

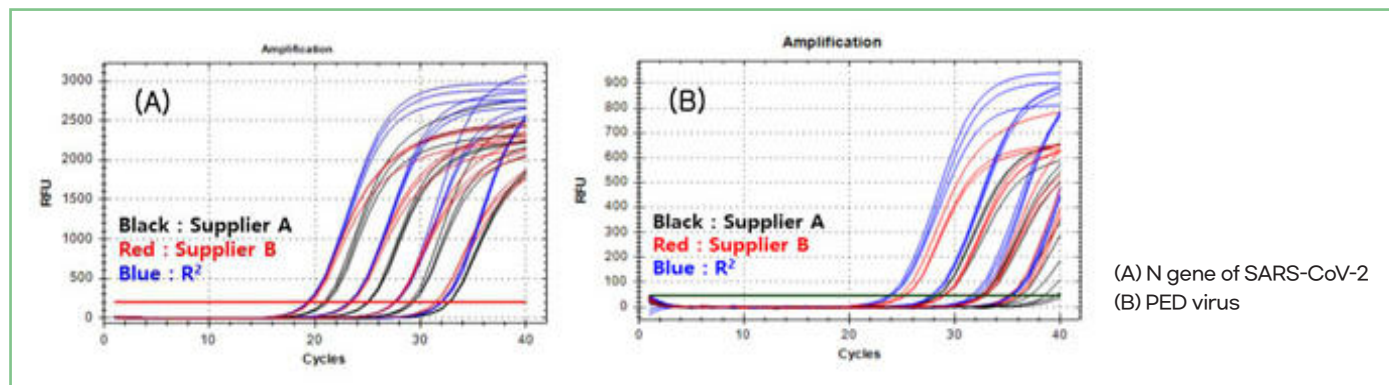


The PCR amplification performance of the RealMOD™ Probe R² 2X qRT-PCR mix was evaluated using **various types of viral RNA by 10-fold dilution** serially (Using CFX-96 Real-time PCR system).

Technical Data-2

Comparison data

Real-time RT-PCR results



RealMOD™ Probe R² 2x qRT-PCR mix (with UDG) has excellent Ct value and dynamic range.
(Sample : 10 fold serially diluted virus)

Wide Instruments Compatibility

Available Equipment for this kit

- **Applied BioSystems** : QuantStudio 12K Flex, ViiA 7, 7900HT, 7500, 7700, StepOne plus
- **Stratagene** : MX3000P, MX3005P
- **Bio-Rad** : CFX96 & CFX384, iQ5 & MyiQ, Chomo4, Opticon® 2 & MiniOpicon®

Order Information

Product Info	Product	Cat. No.	Size
	RealMOD™ Probe R ² 2X qRT-PCR mix (w/UDG)	25362.100	100 tests
		25362.500	500 tests
25362.1000		1000 tests	
Automatic Extraction	Product	Cat. No.	Size
	Miracle-AutoXT Automated Nucleic Acid Extraction System	IMC-NC15PLUS	SYSTEM
	AutoXT PGS DNA/RNA Kit	17168-48	48 tests
17168-96		96 tests	
Manual Extraction	Product	Cat. No.	Size
	Patho Gene-spin™ DNA/RNA Extraction Kit	17154	50 col.
		17154.2	200 col.
Viral Gene-spin™ Viral DNA/RNA Extraction Kit	17151	50 col.	