

# Core materials for Accurate Diagnosis

## RealMOD™ Probe M<sup>2</sup> 2X qRT-PCR mix (with UDG)

**RealMOD™ Probe M<sup>2</sup> 2X qRT-PCR mix (with UDG)** is a ready-to-use product that contains all the necessary reagents for qRT-PCR with UDG(Uracil DNA Glycosylase). The applied UDG system prevents cross/carry over contamination of PCR products. Also, Hot-start function of RealMOD™ Probe M<sup>2</sup> 2X qRT-PCR mix (with UDG) prevents primer-dimer formation at the low temperature during qRT-PCR procedure. Thus, **RealMOD™ Probe M<sup>2</sup> 2X qRT-PCR mix (with UDG)** enables researchers to do accurate and convenient quantitative analysis over a wide range of template RNA concentrations with its high sensitivity and reproducibility.

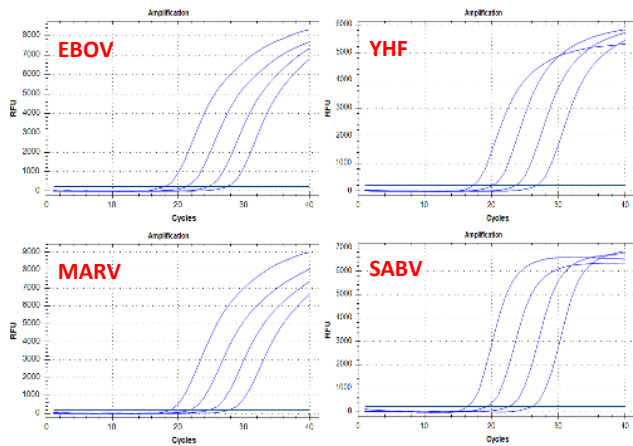
Cat. No. 25361 (100 rxn / 500 rxn / 1,000 rxn)



### ► Advantages

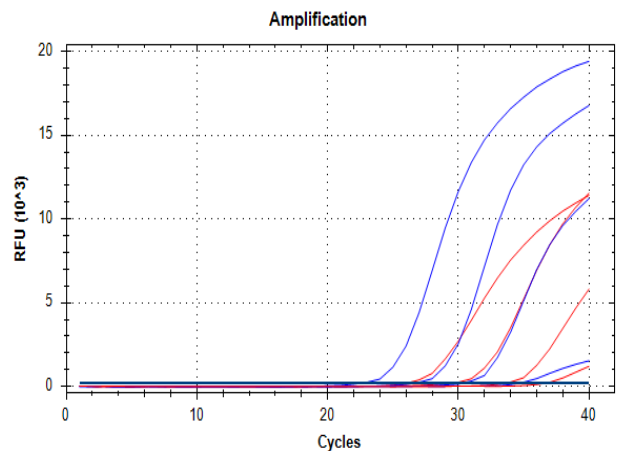
- Minimize cross/carry over contamination through UDG system
- Ready-to-use : Simplify your test with 2X Master mix type
- Hot-start function included to minimize non-specific reactions
- High sensitivity and reproducibility
- Excellent qRT-PCR results with high GC contents

### ► Amplification test of various RNA



- Various human RNA samples were serially diluted 1/10 (10<sup>6</sup>, 10<sup>5</sup>, 10<sup>4</sup>, 10<sup>3</sup>, copy/μl). Amplified samples were tested using RealMOD™ Probe M<sup>2</sup> 2X qRT-PCR mix (with UDG). (Ebola virus, Yellow fever virus, Marburg virus, Sabia virus, etc.)

### ► Product performance

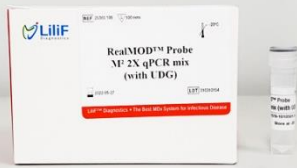


- Real-time RT-PCR results : RealMOD™ Probe M<sup>2</sup> 2X qRT-PCR (with UDG) has an excellent Ct value and dynamic range.
  - Template RNA: SARS CoV-2 RNA Samples were serially diluted 1/10 (10<sup>4</sup>, 10<sup>3</sup>, 10<sup>2</sup>, 10 copy/μl).
  - Target gene : RdRP gene of SARS CoV-2

# RealMOD™ Probe M<sup>2</sup> 2X qPCR mix (with UDG)

RealMOD™ Probe M<sup>2</sup> 2X qPCR mix (with UDG) is a ready-to-use product that contains all the necessary reagents for qPCR with UDG(Uracil DNA Glycosylase). The applied UDG system prevents cross/carry over contamination of PCR products. Also, Hot-start function of RealMOD™ Probe M<sup>2</sup> 2X qRT-PCR mix (with UDG) prevents primer-dimer formation at the low temperature during qPCR procedure. Thus, **RealMOD™ Probe M<sup>2</sup> 2X qPCR mix (with UDG)** enables researchers to do accurate and convenient quantitative analysis over a wide range of template DNA concentrations with its high sensitivity and reproducibility.

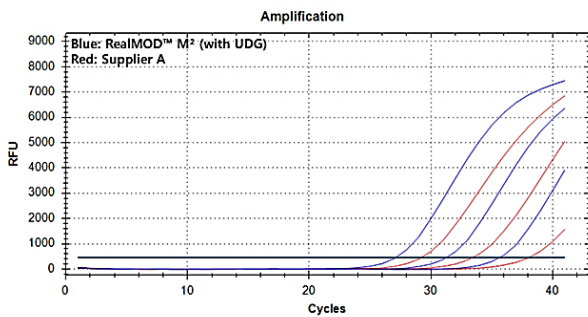
Cat. No. 25360 (100 rxn / 500 rxn / 1,000 rxn)



## ► Advantages

- Minimize cross/carry over contamination through UDG system
- Ready-to-use : Simplify your test with 2X Master mix type
- Hot-start function included to minimize non-specific reactions
- High sensitivity and reproducibility
- Excellent qPCR results even with high GC contents

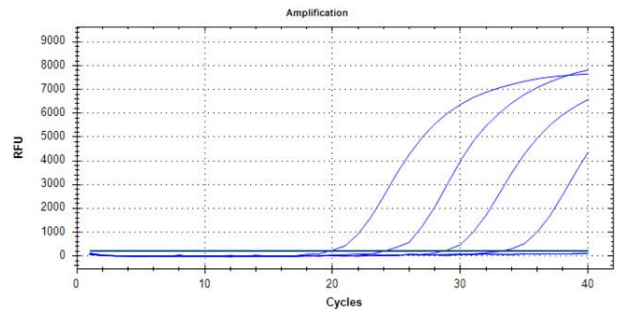
## ► Product performance



● ASFV standard DNA was serially diluted 1/10 ( $1.54 \times 10^4$ ,  $1.54 \times 10^3$ ,  $1.54 \times 10^2$ ). Amplified samples were tested using RealMOD™ Probe M<sup>2</sup> 2X qPCR mix (with UDG).

● Real-time PCR results : RealMOD™ Probe M<sup>2</sup> 2X qPCR (with UDG) has an excellent Ct value and dynamic range.

## ► Amplification test of salmonella DNA



● Salmonella standard DNA was serially diluted 1/10 ( $6.18 \times 10^5$ ,  $6.18 \times 10^4$ ,  $6.18 \times 10^3$ ,  $6.18 \times 10^2$ ). Amplified Salmonella standard DNA samples were tested using RealMOD™ Probe M<sup>2</sup> 2X qPCR mix (with UDG).

◆ Core material verified with various molecular diagnostic kits such as human, animal, and food.

Type	Method	Product	Cat. No.
TaqMan Probe	Real-time RT-PCR	RealMOD™ Probe M <sup>2</sup> 2X qRT-PCR mix (with UDG) <b>NEW</b>	25361.100 / 25361.500 / 25361.1000
		RealMOD™ Probe M <sup>2</sup> 2X qRT-PCR mix	25358.100 / 25358.500 / 25358.1000
	Real-time PCR	RealMOD™ Probe W <sup>2</sup> 2x qRT-PCR mix	25352.100 / 25352.500 / 25352.1000
		RealMOD™ Probe M <sup>2</sup> 2X qPCR mix (with UDG) <b>NEW</b>	25360.100 / 25360.500 / 25360.1000
		RealMOD™ Probe M <sup>2</sup> 2X qPCR mix	25359.100 / 25359.500 / 25359.1000