

RealMOD™

Green T² Series

Advanced qPCR & qRT-PCR Master Mixes

for *Absolute Data Integrity*.

1

92%

Superior Specificity

Validated 92% specificity compared with competitors (56–88%). Eliminate false positives and gain absolute data confidence.

2

Universal Instrument Ready

Pre-blended with Universal ROX. Seamlessly compatible with Low-ROX, High-ROX, and ROX-independent instruments without extra calibration.

3

Ultra-Fast Efficiency

qPCR: 15 min | qRT-PCR: <40 min
3-minute RT step with lightning-fast cycling. Save up to 1 hour per experiment.

4

99.99% Carryover Control

Built-in dUTP/UDG contamination prevention system. Validated 99.99% carryover elimination for reliable RNA analysis.

THE SCIENCE OF PRECISION

Unrivaed Sensitivity & Specificity

Maximum Data Integrity

Advanced antibody-mediated Hot Start Taq DNA Polymerase and proprietary enhancer technology effectively suppress primer-dimer formation for cleaner amplification.

Low-Abundance Detection

Excellent linearity (R² = 0.9994) with 99.5% amplification efficiency, enabling reliable detection down to single-digit template copies.

Exceptional Versatility

High specificity for challenging targets and multiplex assays, delivering reproducible results where conventional mixes often fail.

PRODUCT LINEUP

RealMOD™ Green T² 2X qPCR mix

Cat.No. 25364

Optimized for high-efficiency DNA amplification from genomic DNA and cDNA templates.

RealMOD™ Green T² 2X qRT-PCR mix

Cat.No. 25365

One-step RNA detection with a rapid 2-minute enzymatic gDNA removal system.

ULTRA-FAST WORKFLOW

1

Sample Preparation

Sample

2

Reverse Transcription

RT Step 3 min

3

Amplification

4

Results

Total Runtime < 40 min

RealMOD™ Green T² qPCR Mix

15 min

RealMOD™ Green T² qRT-PCR Mix (RT 3 min + Ultra-Fast Cycling)

< 40 min

Save up to 1 hour with rapid elongation chemistry, reducing cycling time by over 50% compared with conventional workflows.

99.99% Carryover Prevention

Validated dUTP/UDG system for contamination control

4 / 40 / 400 pg DNA Challenge (qRT-PCR Mix Only)

ORDERING INFORMATION

Cat. No.	Product Name	Quantity
25364	RealMOD™ Green T ² 2X qPCR mix	200 / 500 rxns
25365	RealMOD™ Green T ² 2X qRT-PCR mix	100 / 300 rxns
17151	Viral Gene-spin™ Viral DNA/RNA Extraction Kit	50 col.
17221	easy-spin™ Total RNA Extraction Kit	50 col.

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