

One-Step RT-qPCR Kit

Product Information

Cat#	ENZD-RT25
Description	This all-in-one One-Step RT-qPCR Kit combines reverse transcriptase, thermostable DNA polymerase, optimized reaction buffer and fluorescent quantitative detection components into a single reaction system. It completes RNA template reverse transcription and real-time quantitative PCR amplification in one closed-tube procedure, eliminating cross-contamination risks from tube transfer and simplifying operating steps for portable testing and central lab pathogen analysis. The kit delivers high sensitivity for trace viral RNA detection across respiratory, digestive and blood-borne infectious agent detection applications.
Application	This product can be applied for integrated reverse transcription and real-time quantitative amplification of trace RNA templates in a single reaction tube.
Benefits	Achieves high sensitivity for single DNA target (≥ 10 copies) and total RNA (≥ 0.1 pg) detection, adapts to dUTP/UDG system PCR and multiple PCR platforms, supports RNA detection with wide sample input concentration ranging from 0.08–50 ng/ μ L, and offers strong impurity anti-interference ability.
Size	1 mL, 10 mL