



Diagnostic Enzymes

UltraClean ds-cDNA Synthesis Module (+gDNA wiper)

Product Information

Cat#	DIA-561
Description	This double-stranded cDNA synthesis module digests genomic DNA present in mixed DNA/RNA samples and converts RNA into ds-cDNA. The resulting ds-cDNA can be directly used for downstream library preparation without purification. The module is compatible with integrated DNA and RNA co-extraction workflows and supports RNA input amounts ranging from 100 pg to 10 ng. First- and second-strand synthesis can be completed within 25 minutes, offering a fast and convenient solution for pathogen detection applications.
Storage	-30 °C to -15 °C
Applications	Double-stranded cDNA synthesis (with genomic DNA removal); metatranscriptomic analysis; pathogen co-library construction and detection.
Product Overview	Rapid cDNA synthesis: No purification required; double-strand synthesis completed in 25 minutes. Compatibility: Supports 100 pg–10 ng total RNA, including co-extracted DNA & RNA. High quality: Upgraded reverse transcription module; excellent pathogen detection and strict background control.
Package	24 rxns Reaction Buffer: 48 µL gDNA wiper: 48 µL 1st Strand Buffer 5: 120 µL 1st Strand Enzyme Mix 3: 48 µL 2nd Strand Buffer 3: 72 µL 2nd Strand Enzyme Mix 2: 48 µL Enhancer: 144 µL

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