

## High Reverse Transcriptase III

### Product Information

<b>Cat#</b>	ENZD-RT04
<b>Specification</b>	10000 U
<b>Unit Concentration</b>	200 U/μl
<b>Description</b>	Third-generation reverse transcriptase with high impurity tolerance and higher efficiency. This product is a next-generation reverse transcriptase that can perform highly efficient reverse transcription reactions at 37°C. It retains the thermostability of the second-generation product, and for RNA with complex secondary structures, the reverse transcription temperature can be increased to 50°C-55°C, avoiding the inhibition of cDNA synthesis by the complex secondary structure of RNA, thus effectively synthesizing high-quality cDNA. Furthermore, this product still exhibits excellent sustained synthesis capability and strong impurity tolerance.
<b>Features</b>	<ul style="list-style-type: none"><li>• Broad template compatibility: Compatible with various templates including animal, plant, and viral samples.</li><li>• Excellent impurity tolerance: Exhibits superior tolerance to common impurities (ethanol, isopropanol, water-balanced phenols, humic acid).</li><li>• Superior reverse transcription efficiency: Demonstrates higher reverse transcription efficiency compared to commercially available reverse transcriptases.</li></ul>
<b>Applications</b>	Reverse transcription; first-strand cDNA synthesis; two-step qRT-PCR detection; cDNA library construction
<b>Components</b>	5 x High Buffer III High Reverse Transcriptase III (200 U/μl)
<b>Shipping and Storage Conditions</b>	Store at -30 ~ -15°C, transport at ≤0°C.