

High Reverse Transcriptase III

Product Information

| | |
|--|---|
| Cat# | ENZD-RT04 |
| Specification | 10000 U |
| Unit Concentration | 200 U/μl |
| Description | 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. |
| Features | <ul style="list-style-type: none"> • Broad template compatibility: Compatible with various templates including animal, plant, and viral samples. • Excellent impurity tolerance: Exhibits superior tolerance to common impurities (ethanol, isopropanol, water-balanced phenols, humic acid). • Superior reverse transcription efficiency: Demonstrates higher reverse transcription efficiency compared to commercially available reverse transcriptases. |
| Applications | Reverse transcription; first-strand cDNA synthesis; two-step qRT-PCR detection; cDNA library construction |
| Components | 5 x High Buffer III High Reverse Transcriptase III (200 U/μl) |
| Shipping and Storage Conditions | Store at -30 ~ -15°C, transport at ≤0°C. |