

## RNA Multi-PCR Library Prep Kit

### Product Information

<b>Cat#</b>	Kit-047
<b>Description</b>	<p>This multiplex PCR-based RNA library preparation kit is designed for sequencing analysis of viral RNA genomes. It includes a complete reverse transcription module and a multiplex PCR-based library construction module, employing a two-round PCR strategy for targeted genome amplification and enrichment. From viral RNA input to sequencing-ready libraries, the entire workflow can be completed in as little as 5 hours, with hands-on time under 1.5 hours. The kit supports input samples with Ct values ranging from 16 to 38, and the resulting libraries are suitable for sequencing on Illumina high-throughput platforms.</p> <p>Customized panels included with this kit achieve up to 99.7% coverage of viral genomes, enabling effective detection of genomic mutations and deletions. Optimized reagent combinations deliver stable and reliable performance, supporting rapid and high-quality viral RNA library construction. All reagents are subjected to strict quality control and functional validation to ensure excellent stability and reproducibility of library preparation.</p>
<b>Storage</b>	-30 °C to -15 °C
<b>Applications</b>	Genetic analysis of viral RNA genomes; viral RNA library preparation.
<b>Product Overview</b>	<p>Simple operation: Two-round PCR method, entire workflow completed in as little as 5 hours.</p> <p>Excellent coverage: Custom panel achieves 99.7% coverage of viral genomes.</p>
<b>Package</b>	<p>24 rxns</p> <p>10× RT Mix: 48 µL</p> <p>HiScript III Enzyme Mix: 48 µL</p> <p>Random Hexamers: 24 µL</p> <p>RNase-free ddH<sub>2</sub>O: 1 mL</p> <p>4× Multi-PCR Mix: 240 µL</p> <p>Primer Pool 1: 48 µL</p>



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Primer Pool 2: 48  $\mu$ L

HiFi Amplification Mix: 2 x 480  $\mu$ L

TE: 1 mL

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