

2× Hieff™ Ultra-Rapid II HotStart PCR Master Mix

5 Sec/kb

Enjoy the Ultimate Fast Experience

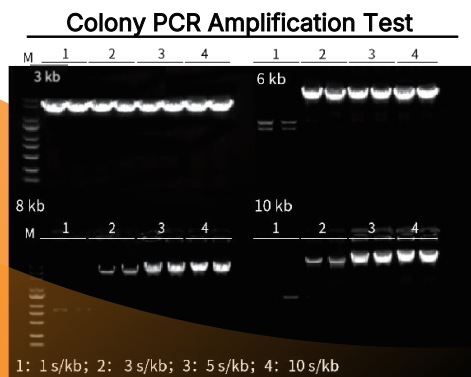


Features

Ultra-Rapid amplification	1-10 sec/kb (<3 kb, 1 sec/kb; 3-6 kb, 3 sec/kb; 6-10 kb, 5 sec/kb; >10 kb, 10 sec/kb).
Wide compatibility	Compatible with crude templates such as animal and plant lysates, bacteria, high/low GC systems (24%-79% GC), long fragment systems (genomic/plasmid within 15 kb, cDNA within 10 kb), 7-plex amplification within 10 kb.
Excellent specificity	Hot-start activity with antibody modification, better amplification specificity.
Good stability	No fear of repeated freezing and thawing, repeated freezing and thawing 100 times will not affect performance. 37°C heat acceleration for 14 days, the amplification was still stable.

Performance Demonstration

Ultra-fast Amplification Speed



Time Saving

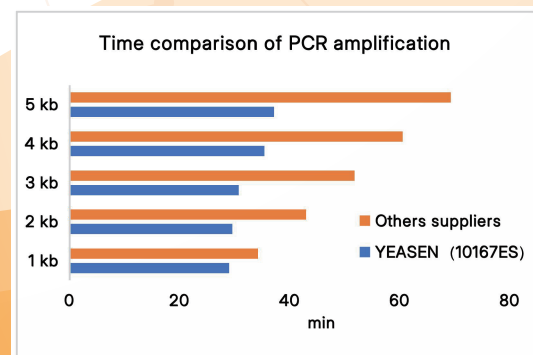


Figure 1. E.coli Colony Direct PCR (left) and save half time for 3-5 kb PCR fragments (right) compared to regular PCR mix.

Broad GC Compatibility

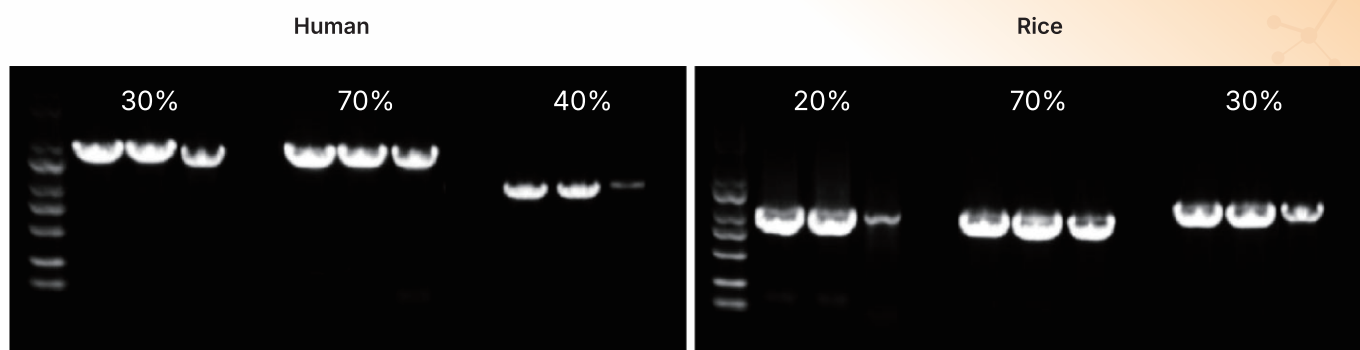


Figure 2. GC Content Tolerance Testing

Good stability

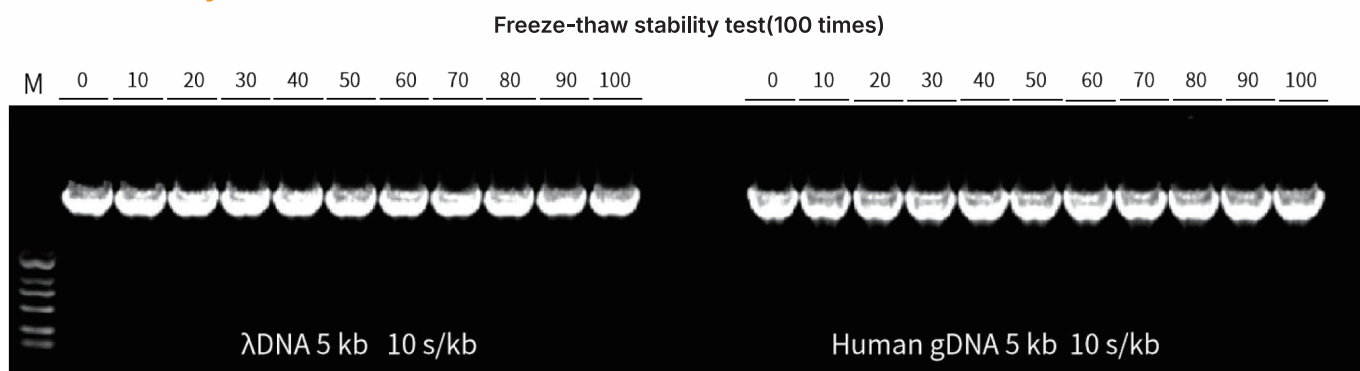


Figure 3. Freeze-thaw stability test: 10167ES can stably amplify 5 kb λ DNA and 5 kb human gDNA after 100 freeze-thaw cycles. M: 10,000 DNA Marker (10505ES))

Ordering Information

Name	Cat. No.	Size
2x Hieff™ Ultra-Rapid II HotStart Universal PCR Master Mix	10167ES03	1 mL
	10167ES08	5x1 mL
	10167ES50	50x1 mL

Yeasen Biotechnology
Leading Innovation in Molecular Enzymes and Reagents

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