

FailSafe™ PCR System

FIRST TIME
Perform PCR with your template and primers using the FailSafe™ PCR PreMix Selection kit and choose the PreMix with the best amplification.

And EVERY TIME
Get the selected PreMix with the FailSafe™ PCR System and use it for consistent amplification of your template/primer pair.

Whatever the length, whatever the sequence, the FailSafe™ PCR System will faithfully amplify your template every time!

Applications

- Amplify any template up to 20 kb
- Amplify templates up to 85% GC rich
- High sensitivity amp. of as little as 1 copy of template
- High fidelity amplification
- Multiplex PCR
- No need for hot start

MasterAmp™ High Sensitivity RT-PCR Kit

- High sensitivity RT-PCR from as little as 1 pg of total cellular RNA
- Out-performs similar products from other vendors
- Reduces effect of RNA secondary structure by performing RT reactions at higher temperature
- Reduces chance for cross contamination by using one enzyme in a one-step and one-tube reaction protocol with no sample transfer
- MasterAmp PCR Enhancer Technology enhances PCR performance with GC-rich and other difficult templates

MasterAmp™ High Fidelity RT-PCR Kit

- Highly accurate RT-PCR amplification of RNA templates for
 - Cloning
 - Sequencing
 - Expression
 - Transcription analysis
- All purpose RT-PCR in which full-length amplification and high accuracy are essential
- Multiplex RT-PCR
- Comes along with an TAQRATE, a high fidelity polymerase enzyme blend

Never-ending reasons why you should buy the MonsterScript™ 1st-Strand cDNA Synthesis Kit

- MonsterScript™ Reverse Transcriptase lacks RNase H, enabling improved synthesis of full-length cDNA even for long mRNA.
- MonsterScript is thermostable, permitting reverse transcription at temperatures >50°C, reducing RNA secondary structure & improves priming specificity.
- The kit includes both an oligo(dT)-containing and a random nonamer primer.
- A potent RNase Inhibitor is included.
- MonsterScript™ RT PreMix contains optimized concentrations of dNTPS, Mg+2 and Betaine for superior performance & minimal pipetting steps.
- Betaine in the cDNA Synthesis PreMix reduces pausing and stops during reverse transcription.
- First-strand cDNA can be made from picogram amounts of total RNA.
- The cDNA is a good template for subsequent end-point PCR or real-time PCR.