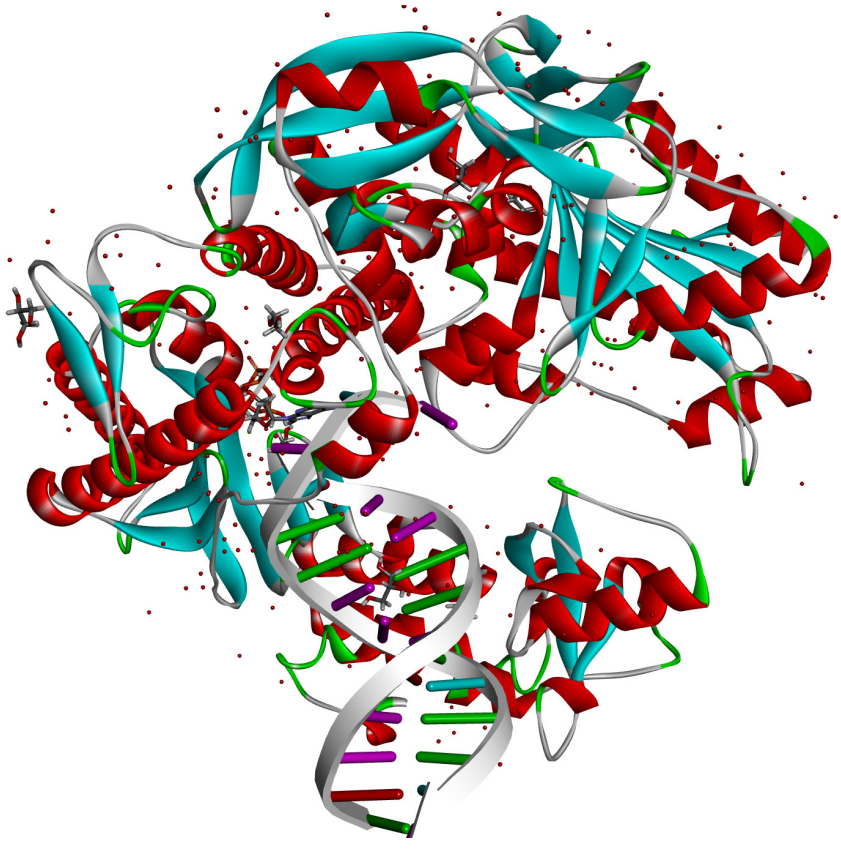
Molecular Biology Kits



Easy cDNA Synthesis Kit
2X SYBR® Green Real Time PCR
2X Taq PCR Master Mix
One-Step SYBR RT-QPCR Mix

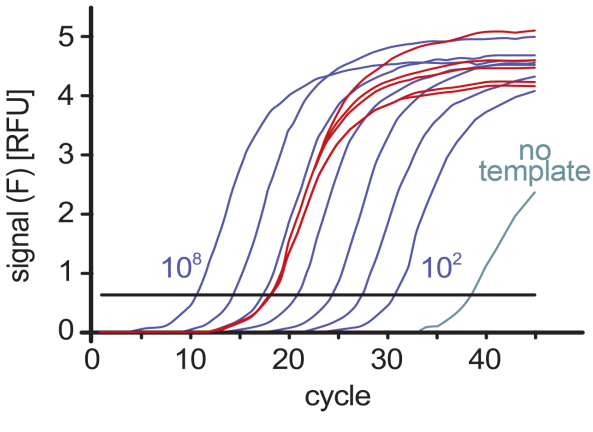
Easy cDNA Synthesis Kit

Easy cDNA Synthesis kit contains all necessary components for conversion of total RNA or mRNA to the single stranded cDNA. The 2X Buffer mix solutions contains, RT buffer, 1mM dNTP mixture, 8mM MgCl2, Oligo d(t)16, Random hexamer and stabilizer. Enzyme mix contains thermostable H-minus MMLV, RNase Inhibitor and stabilizer.

Advantages:
Reduction of technical errors.
Easy protocol.
Higher reaction temperature than conventional MMLV.
High yield and sensitive.

2X SYBR® Green Real Time PCR

This product is a very sensitive and easy to use for real-time quantitative analysis of DNA and cDNA targets. This product is based on the SYBR Green I and a dual Hot-start Taq (chemically modified and anti taq) plus the pre-optimized buffer solution.



Advantages:
Cost effective
Aptamer-based Hot start Taq DNA polymerase
Long-term stability
Easy to Use
Short initial denaturing time

Parstous
Innovation is our Priority

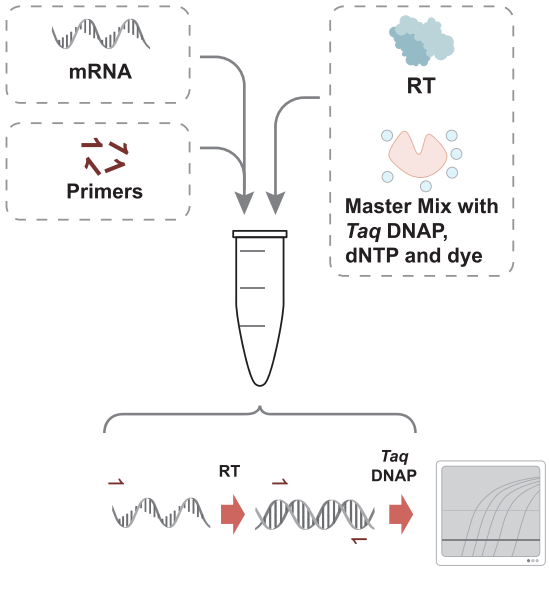
2X Taq PCR Master Mix

It contains Taq DNA Polymerase, reaction buffer, dNTPs, protein stabilizer, 2 mM MgCl2, and optimizes the convenience to use by adding sediment for electrophoresis and 2X solution of loading dye.

Advantages:
Highly resistant to bad storage or frequent freeze and thaw.
Most convenient way to perform a PCR.
Reduction of technical errors.
No need to add loading dye for electrophoresis.
More economic.

One-Step SYBR RT-QPCR Mix

In one-step RT-qPCR, cDNA synthesis and qPCR are performed in the same reaction tube, in an optimized buffer.
Gene-specific primers direct cDNA synthesis and amplification of a specific target. Since, specific primers typically anneal at higher temperatures than random primers, one-step protocols often use higher RT reaction temperatures than two-step workflows and employ engineered or novel RTs that can tolerate higher reaction temperatures.
Major advantages of one-step reactions include minimal sample handling, reduced bench time, and closed-tube reactions, reducing chances for pipetting errors and cross-contamination.
This makes one-step an especially strong choice for quantitating the same gene(s) repeatedly, particularly in high-throughput applications and in diagnostic settings.



Advantages:
One-step reaction to quantify the relative amount of RNA
Just 10 minutes for RT reaction at 57-59 °C
Hot-start polymerase and optimized buffer system to reduce non-specific reactions allowing compatibility with all commonly used qPCR instruments