

Top customer picks

Making a difference in
labs worldwide

Whether it's quality high-fidelity or *Taq* DNA polymerases, simple and fast tools for cloning and electrophoresis, reliable cDNA synthesis products, or specialized PCR enzymes, Thermo Scientific™ molecular biology tools are used by researchers worldwide.

Phusion High-Fidelity DNA polymerases

Thermo Scientific™ Phusion™ High-Fidelity DNA polymerases are designed to amplify DNA fragments with exceptional robustness for a large variety of high-performance applications. Phusion polymerases are 52x more accurate than *Taq* and 6x more accurate than *Pfu*. Due to their unique fusion protein technology, Phusion polymerases offer outstanding speed and accuracy even with difficult templates. thermofisher.com/phusion

FastDigest restriction enzymes

If you're working with multiple buffer systems, let Thermo Scientific™ FastDigest™ restriction enzymes simplify your workflow. With all enzymes 100% active in a single buffer, the universal Thermo Scientific™ FastDigest™ and FastDigest™ Green Buffers allow single, double, or multiple digestion of DNA within 5–15 minutes, eliminating any need for buffer changes or subsequent DNA clean-up steps. Thermo Scientific™ DNA-modifying enzymes have 100% activity in this buffer as well. The FastDigest Green Buffer includes a density reagent and two tracking dyes that allow for direct loading of digestion reaction products on gels. thermofisher.com/fastdigest



DreamTaq DNA polymerases

Thermo Scientific™ DreamTaq™ DNA polymerases are enhanced *Taq* DNA polymerases, available in standard and hot-start formats, that offer an optimal balance between performance and value. They generate higher yields and longer amplicons than conventional *Taq*-based polymerases. The specially optimized buffers enable robust DNA amplification with minimal optimization of reaction conditions. The Thermo Scientific™ DreamTaq™ Green Buffer format supports convenient direct gel loading of PCR products. thermofisher.com/dreamtaq



Maxima reverse transcriptases

When you need the reliability in performance that no wild-type enzyme can match, Thermo Scientific™ Maxima™ reverse transcriptases (RTs) offer the superior sensitivity and transcription efficiency you require in cDNA synthesis. Maxima RTs support higher working temperatures, can generate cDNA up to 20 kb, and are appropriate for a wide range of applications.

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GeneRuler DNA ladders

Thermo Scientific™ GeneRuler™ DNA ladders are ideal for sizing and approximate quantification of a wide range of double-stranded DNA. These ladders come in a broad selection of fragment sizes (10 bp–48.5 kb) and are supplied in standard and ready-to-use formats. They are stable during prolonged incubation at room temperature, through multiple freeze-thaw cycles, and while being shipped in ambient temperature. Versions with 6X orange DNA loading dye, Thermo Scientific™ O'GeneRuler™ DNA ladders, are also available.

thermofisher.com/dnaladders



Direct PCR kits

Offering outstanding convenience for robust DNA amplification supporting PCR directly from crude samples, Thermo Scientific™ Direct PCR kits enable significant savings in both time and cost. These solutions are compatible with a wide range of sample types including human, animal, and plant samples. These Direct PCR kits are ideal for experiments where a very small amount of sample material is available or when PCR inhibitors are of concern.

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To request free samples* or find out about all of our Thermo Scientific molecular biology solutions, go to thermofisher.com/tstopsticks

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