

Discover our products and solutions

PCR, qPCR and more...

**Empowering Research with
Cutting-Edge PCR & qPCR Technologies**

Embrace Precision!

Your Research, Our Commitment!



We Aim for Your Success.

www.genaxxon.com

Genaxxon's Best Selling Products

Standard PCR

RedMastermix (2X) (Cat# M3029)

PCR master mix with a red dye for visualizing pipetting steps and serving as a tracking dye for agarose gel electrophoresis. The PCR reaction can be directly loaded onto the agarose gel after completion.



Key Benefits:

- Robust
- Ideal for difficult or impure templates
- High yield
- Well-visible DNA bands

Agarose LE-Standard Agarose (Cat# M3044)

Standard agarose for the separation of DNA in the size range between 100bp and 25kbp. It is suitable for all analytical and preparative electrophoresis of nucleic acids in routine gel electrophoresis.

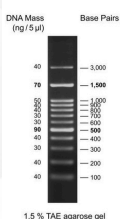


Key Benefits:

- High-quality, reliable performance
- No detectable RNase/DNase activity
- Low EEO

DNA-ladder - ready-to-us (Cat# GM3094)

Ready-to-use DNA ladder premixed with 6X Loading Dye for easy application. Available with different fragment lengths to meet your specific needs.



Key Benefits:

- Clear band assignment with double-intensity reference bands
- Blunt-ended fragments for accurate sizing
- Pre-mixed with loading dye – ready to use

dNTPs (Cat# M3015, M3016, M3017)

Highly stable and pure (>99%, RP-HPLC) nucleoside triphosphates with no detectable bacterial/human DNA, DNases, RNases, nicking activity or proteases. Available as set or mix (10mM or 2mM).

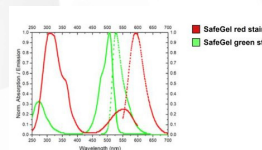


Key Benefits:

- Ultra-high quality (>99%)
- Excellent price-performance ratio
- Wide range of concentrations and volumes
- Used by manufacturers of real-time PCR master mixes

SafeGel red stain (Cat# M3193)

Ultra sensitive, extremely stable fluorescent dye designed to replace the toxic and possibly mutagenic ethidium bromide (EtBr) for staining dsDNA, ssDNA or RNA in agarose gels or polyacrylamide gels.



Key Benefits:

- Safer than EtBr
- Easy disposal
- Perfectly compatible with a standard UV transilluminator

Proteinase K (Cat# M3036, M3037)

Robust and versatile serine protease used for the digestion of proteins in nucleic acid preparations. This solution is ideal for a wide range of applications including the preparation of DNA and RNA samples.



Key Benefits:

- Very high purity
- High activity
- Active at denaturing conditions
- Available as powder or solution with different ranges of activity

Looking for More?

We offer a wide range of molecular biology products and can provide custom solutions tailored to your needs. Contact us to learn more!

We Aim for Your Success.

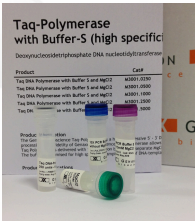
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DNA Polymerases

Taq DNA Polymerase S (Cat# M3001)

Highly processive Taq DNA Polymerase for amplifying DNA fragments up to 7 kb. It comes with an optimized 10X reaction buffer and MgCl₂ for high specificity and efficient amplification.

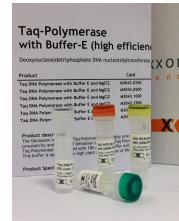


Key Benefits:

- stable at RT (+15 to +30°C) for at least 2 weeks
- high specificity amplification
- processes up to >7kb
- extension rate: 2-4kb/min at 72°C
- extra addition of A

Taq DNA Polymerase E (Cat# M3043)

High-efficiency Taq DNA Polymerase ideal for amplifying DNA fragments over 7 kb. It includes a 10X reaction buffer and MgCl₂ for optimized yield and high processivity.

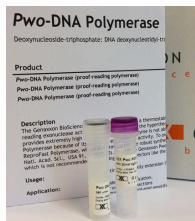


Key Benefits:

- stable at RT (+15 to +30°C) for at least 2 weeks
- high product yield
- processes up to >7kb
- extension rate: 2-4kb/min at 72°C
- extra addition of A

Pwo proofreading DNA polymerase (Cat# M3002)

DNA Polymerase derived from *Pyrococcus woesei* with proofreading 3'-5' exonuclease activity, ensuring precise amplification with 10x higher accuracy than Taq polymerase. It is ideal for generating blunt-end PCR products for cloning and expression.

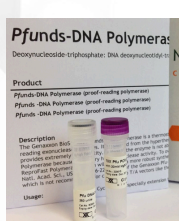


Key Benefits:

- 10x More Accurate than Taq polymerase
- High-Fidelity and Proofreading for error correction
- Blunt-End Products for cloning

Pfu proofreading DNA polymerase (Cat# M3004)

DNA Polymerase derived from *Pyrococcus furiosus* with proofreading 3'-5' exonuclease activity, ensuring precise amplification with 10x higher accuracy than Taq polymerase. It is ideal for generating blunt-end PCR products for cloning and expression.



Key Benefits:

- 10x More Accurate than Taq polymerase
- High-Fidelity and Proofreading for error correction
- Blunt-End Products for cloning

ReproFast proofreading Polymerase (Cat# M3003)

High-fidelity DNA polymerase for enhanced PCR performance, enabling faster extensions, higher yields, and robust amplification of fragments up to 7 kb (lambda) or 5 kb (human DNA) – ideal for cloning.

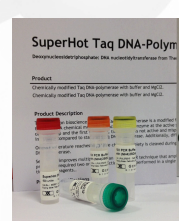


Key Benefits:

- High accuracy for long targets
- Fast extensions & higher yields
- Amplifies up to 7 kb (lambda), 5 kb (human DNA)
- Error correction (proofreading)
- Blunt-end cloning (no A-overhangs)

SuperHot Taq DNA Polymerase (Cat# M3307)

Chemically modified Taq polymerase designed for Real-Time PCR, Hot-Start PCR, and low-copy number PCR. Activated by heat, it enhances specificity, sensitivity, and yield, especially for challenging templates with high GC content.



Key Benefits:

- Chemically modified for increased specificity
- Enhanced sensitivity
- Ideal for difficult templates with high GC content
- Optimized for Real-Time PCR and Hot-Start PCR

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Real-time PCR/qPCR

Standard qPCR Mastermixes (Cat# M3023, M3011, M3052, M3045, M3031, M3010)

Choose from **GreenMasterMix** or **ProbeMasterMix** – available with or without an intercalating fluorescent dye, and with or without ROX.

Our optimized mastermixes are ideal for real-time PCR in block systems, providing all the essential components for flawless qPCR performance. Simply add your primers and template DNA – it's that easy!



Key Benefits:

- High efficiency & specificity
- Amplifies GC-rich DNA
- Hotstart technology prevents primer dimers
- Detects up to 4 targets in multiplex PCR

FAST qPCR Mastermixes (Cat# M3150, M3154, M3228, M3144, M3152, M3155)

FAST-PCR Mastermixes offer speed and efficiency for your PCR applications without sacrificing specificity and sensitivity.

Choose from **GreenMasterMix** or **ProbeMasterMix** – available with or without an intercalating fluorescent dye, and with or without ROX.



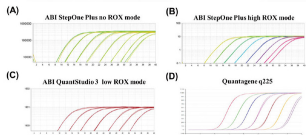
Key Benefits:

- Excellent thermostability, fluorescence & sensitivity
- Short denaturation time (max 2 minutes)
- Optimized for 2-step PCR
- Hotstart technology prevents primer dimers

GNX Versa qPCR Mastermix 2X (Cat# M3212)

One qPCR Master Mix for All Platforms!

Simplify your workflow with the GNX Versa qPCR Mastermix 2X – compatible with most real-time qPCR instruments. No need to select different mixes for various platforms.



Key Benefits:

- Compatible with all PCR platforms
- Streamlined setup and consistent results
- Built-in Hotstart PCR

GNX Food Probe qPCR Mastermix 2X (Cat# M3028)

One qPCR Master Mix for the Toughest Samples! Designed to tackle even the most challenging samples, including environmental or food matrices with high inhibitor levels.



Key Benefits:

- Unrivalled sensitivity
- Reliable low-copy detection
- Sensitive quantification
- Stable for high-throughput

Multiplex HS Mastermix 2X (Cat# M3013)

Ready-to-use mixture for probe-based assays. It includes antibody-inhibited fast HotStart Taq DNA Polymerase, dNTPs, MgCl₂, and an optimized buffer system. Simply add primers, probe, and template DNA/cDNA for efficient multiplexing.

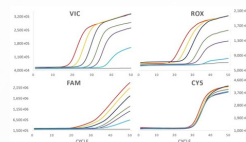


Key Benefits:

- Amplifies multiple targets in a single tube
- All-in-one mix for easy multiplexing
- High specificity, sensitivity, & yield

5X qPCR Multiplex Mastermix (Cat# M3024)

For rapid, sensitive, and reproducible results. Featuring optimized DNA polymerase with hot-start function, ultrapure dNTPs, and a specially designed buffer, it's ideal for a wide range of templates.



Key Benefits:

- No activation step for reduced run time
- Inactive at room temperature
- Improved hot-start activity
- Robust & uniform amplification



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