### Molecular biology resources

**Molecular biology handbook**—available in both printable and interactive formats

Find solutions, tips, and resources to help you excel in your molecular biology research.

thermofisher.com/molbiobook

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<th>Product</th>
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Enhanced performance for first-class PCR

Innovative products across the PCR workflow

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**PCR**

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1. Some limitations apply. For a list of terms and conditions see our website.

2. | Col. B(2022) VSXG

**Enhanced performance**

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Reverse transcriptases
Engineered to deliver superior performance, even with challenging RNA samples

Invitrogen™ SuperScript™ IV Reverse Transcriptase
- Fast results—synthesizes high yields of cDNA (up to 9 kb) in just 10 min
- Robust—transcribes even from degraded or inhibitor-containing RNA samples
- Convenient—available in a variety of formats for any downstream application

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Invitrogen™ SuperScript™ IV One-Step RT-PCR System
- Two-phase hot-start activation mechanism—enables room-temperature setup and high specificity
- Superior performance—high sensitivity and target length, with the fastest protocol

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High specificity and yields with Platinum™ hot-start technology

Invitrogen™ Platinum™ II Taq DNA Polymerase
- Universal primer annealing at 60°C—reduces labor-intensive optimization steps and enables PCR co-cycling
- Engineered Taq polymerase with leading hot-start technology—enables fast, robust, and highly specific PCR

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Invitrogen™ Platinum™ II Dna Polymerase
- Exceptional fidelity—300x more accurate than Taq DNA polymerase
- Simplified workflow—buffer formulated for a universal annealing temperature of 60°C

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Invitrogen™ Platinum™ Direct PCR Universal Master Mix
- Universal—one master mix for different sample types, one annealing temperature for different primer sets
- Fast—skips DNA purification, synthesizes cDNA at 20 sec/kb

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Precise, consistent results for every challenge, application, and budget

Applied Biosystems™ VeritiPro™ Thermal Cycler
Ultimate performance
The VeritiPro Thermal Cycler delivers proven reliability with advanced temperature control technology and connectivity. Take advantage of real-time PCR optimization with the precision of Applied Biosystems™ VeritiPro™ Block technology. You can connect to the VeritiPro Thermal Cycler remotely to conveniently design and securely upload your methods, monitor runs, and check instrument availability from any mobile device or desktop computer with Connect, our cloud-based platform.

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Find the right fit, fast
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- Faster analysis—sample loading to image capture in 15 minutes
- Simple operation—intuitive user interface with large touchscreen and integrated operation system
- Safer handling—minimize handling of hazardous chemicals with Invitrogen™ E-Gel™ precast gel cassettes

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Invitrogen™ E-Gel™ Double Comb gel enables analysis of up to 22 samples

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