

Marketplace



ALL PCR
NO APOLOGIES

Special offers on Thermo Scientific products:

- DNA polymerases
- Multiplex PCR master mixes
- PCR plastic consumables
- dNTP solutions
- PCR cloning kits
- Agarose tablets
- DNA ladders
- Nucleic acid purification kits

Essentials Tour 2016
thermofisher.com/marketplace

The gold standard for high-performance PCR



Thermo Scientific™ Phusion™ High-Fidelity DNA Polymerase

- Very high fidelity—52x more accurate than *Taq*, 6x more accurate than *Pfu*
- High speed and short reaction times (extension 15–30 s/kb)
- Direct loading of PCR products on gels with Phusion Green formats

Cat. No.	Description	Size
F-530S	Phusion High-Fidelity DNA Polymerase	100 U
F-530L		500 U
F-534S	Phusion Green High-Fidelity DNA Polymerase	100 U
F-534L		500 U
F-532S	Phusion High-Fidelity PCR Master Mix with GC Buffer	100 x 50 µL rxns
F-532L		500 x 50 µL rxns
F-531S	Phusion High-Fidelity PCR Master Mix with HF Buffer	100 x 50 µL rxns
F-531L		500 x 50 µL rxns

*Use promotion code **RMD225** and refer to the back cover for additional terms and conditions and ordering details.



Thermo Scientific™ Phusion™ Hot Start High-Fidelity DNA Polymerase

- Stringent hot-start technology
- Short activation time
- Improved specificity and sensitivity

Cat. No.	Description	Size
F-549S	Phusion Hot Start II High-Fidelity DNA Polymerase	100 U
F-549L		500 U
F-537S	Phusion Green Hot Start II High-Fidelity DNA Polymerase	100 U
F-537L		500 U
F-565S	Phusion Hot Start II High-Fidelity PCR Master Mix	100 x 50 µL rxns
F-565L		500 x 50 µL rxns
F-566S	Phusion Green Hot Start II High-Fidelity PCR Master Mix	100 x 50 µL rxns
F-566L		500 x 50 µL rxns
F-548S	Phusion Flash High-Fidelity PCR Master Mix	100 x 20 µL rxns
F-548L		500 x 20 µL rxns

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For maximum performance in multiplex PCR



Thermo Scientific™ Phusion™ U Multiplex PCR Master Mixes

- Allow simultaneous amplification of over 20 targets up to 2.5 kb
- Compatible even with GC-rich or suboptimal-purity templates
- Minimal optimization of reaction conditions required

Cat. No.	Description	Size
F-562S	Phusion U Multiplex PCR Master Mix	100 x 50 µL rxns
F-562L		500 x 50 µL rxns
F-564S	Phusion U Green Multiplex PCR Master Mix	100 x 50 µL rxns
F-564L		500 x 50 µL rxns

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Green format for direct loading

The green format of Thermo Scientific™ DNA polymerases is a combination of DNA polymerase and green reaction buffer. The green buffer includes a density reagent and two tracking dyes, and enables direct loading of reaction mixtures on gels, thus simplifying PCR workflows. The buffer does not interfere with the performance of DNA polymerases and is compatible with downstream applications including DNA sequencing, phosphorylation, ligation, and restriction digestion.



Engineered DNA polymerase for uracil-tolerant PCR



Thermo Scientific™ Phusion™ U Hot Start DNA Polymerase

- Accurate amplification of uracil-containing templates
- Efficient incorporation of dUTP in growing DNA strand
- Robust performance, high yields, and improved specificity

Cat. No.	Description	Size
F-555S	Phusion U Hot Start DNA Polymerase	100 U
F-555L	Phusion U Hot Start DNA Polymerase	500 U
F-556S	Phusion U Green Hot Start DNA Polymerase	100 U
F-556L	Phusion U Green Hot Start DNA Polymerase	500 U
F-533S	Phusion U Hot Start PCR Master Mix	100 x 50 µL rxns
F-533L	Phusion U Hot Start PCR Master Mix	500 x 50 µL rxns

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Did you know?

Proofreading DNA polymerases are unable to amplify uracil-containing templates. This is because they have a so-called uracil-binding pocket, which detects uracil residues in the template strand and stalls further DNA synthesis. Phusion U DNA polymerase carries a mutation in the uracil-binding pocket to overcome this limitation. It can therefore be used in applications such as amplification of bisulfite-converted DNA, amplification of old or damaged DNA, and carryover contamination control.

Learn more at thermofisher.com/phusion

Plastic consumables for low-throughput PCR and qPCR applications



Thermo Scientific™ PCR tubes, tube strips, and caps

- High-quality PCR plastic consumables compatible with all main PCR and qPCR instruments
- Clean room production—certified free from DNA, RNases, and DNases

Cat. No.	Description	Size
AB-0337	0.2 mL Domed Cap Tubes	1,000 tubes
AB-0620	0.2 mL Flat Cap Tubes	1,000 tubes
AB-0350	0.5 mL Flat Cap Tubes	1,000 tubes
AB-0784	Strips of 8 Flat Caps	250 strips
AB-0265	Strips of 8 Domed Caps	250 strips
AB-0266	Strips of 8 Tubes & Domed Caps	250 strips
AB-1182	Strips of 8 Tubes & Flat Caps	250 strips
AB-0866	Ultra Clear Cap Strips	120 strips

*Use promotion code **RMD240** and refer to the back cover for additional terms and conditions and ordering details.

Optimize your PCR

Browse Thermo Scientific™ PCR resources including webinars, videos, and technical articles to learn about PCR basics, applications, and reaction optimization.

Learn more at thermofisher.com/molbioresources

Essential for PCR: high-purity dNTPs



Thermo Scientific™ dNTP Set and Mix

- Greater than 99% purity confirmed by HPLC
- Free of contaminating human and *E. coli* DNA
- Highly stable—designed to prevent loss of performance after multiple freeze/thaw cycles

Cat. No.	Description	Size
R1121	dNTP Mix (25 mM each)	1 mL
R1122		5 x 1 mL
R0181		4 x 0.25 mL
R0182	dNTP Set (100 mM solutions)	4 x 1 mL
R0186		4 x 5 mL

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Ultimate plastic consumables for high-throughput PCR and qPCR applications



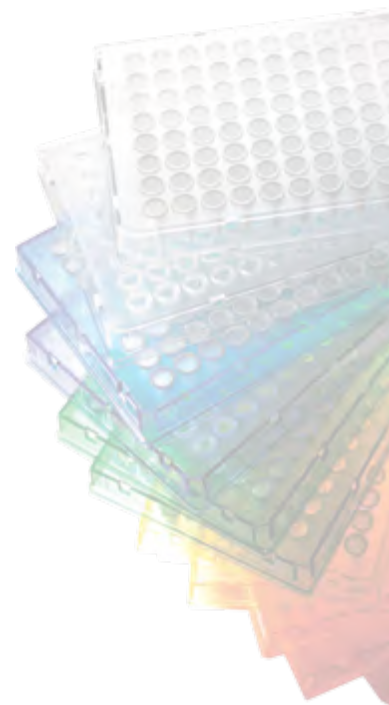
Thermo Scientific™ Armadillo™ PCR plates

- 96- and 384-well PCR plates for automated workflows
- Ultrarigid polycarbonate frame for warp-resistant thermal cycling
- Enhanced mechanical stability for robotic handling
- Multiple frame colors available with both clear (for PCR) and white (for qPCR) wells

Cat. No.	Description	Size
AB-2396	Armadillo 96-Well Plate (Clear, Clear Wells)	25 plates
AB-2596	Armadillo 96-Well Plate, Semi-Skirted (Clear, Clear Wells)	25 plates
AB-2496	Armadillo 96-Well Plate, Semi-Skirted, Low Profile (Clear, Clear Wells)	25 plates
AB-2384	Armadillo 384-Well Plate (Clear, Clear Wells)	50 plates
AB-3396	Armadillo 96-Well Plate (Clear, White Wells)	25 plates
AB-3596	Armadillo 96-Well Plate, Semi-Skirted (Clear, White Wells)	25 plates
AB-3496	Armadillo 96-Well Plate, Semi-Skirted, Low Profile (Clear, White Wells)	25 plates
AB-3384	Armadillo 384-Well Plate (Clear, White Wells)	50 plates
BC-2396	Armadillo 96-Well Plate, Barcoded (Clear, Clear Wells)	25 plates
BC-2596	Armadillo 96-Well Plate, Semi-Skirted, Barcoded (Clear, Clear Wells)	25 plates
BC-2496	Armadillo 96-Well Plate, Semi-Skirted, Low Profile, Barcoded (Clear, Clear Wells)	25 plates
BC-2384	Armadillo 384-Well Plate, Barcoded (Clear, Clear Wells)	50 plates
BC-3396	Armadillo 96-Well Plate, Barcoded (Clear, White Wells)	25 plates
BC-3596	Armadillo 96-Well Plate, Semi-Skirted, Barcoded (Clear, White Wells)	25 plates
BC-3496	Armadillo 96-Well Plate, Semi-Skirted, Low Profile, Barcoded (Clear, White Wells)	25 plates
BC-3384	Armadillo 384-Well Plate, Barcoded (Clear, White Wells)	50 plates
AB-0558	Adhesive PCR Plate Seals	100 sheets
AB-0626	Adhesive PCR Plate Foils	100 sheets
AB-1170	ABSolute qPCR Plate Seals	50 seals

To select a plate color, suffix Cat. No. with either /B for blue, /G for green, /O for orange, /R for red, or /Y for yellow. Example: AB-2496/B.

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Fast and efficient PCR cloning kit



Thermo Scientific™ CloneJET™ PCR Cloning Kit

- Fast (5–10 min) cloning of blunt- and sticky-end DNA fragments
- High efficiency—more than 99% positive clones
- Positive selection vector—no cloning background; no need for blue/white screening

Cat. No.	Description	Size
K1231	CloneJET PCR Cloning Kit	20 rxns
K1232		40 rxns

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Tools for electrophoresis



Thermo Scientific™ TopVision™ Agarose Tablets

- Convenient tablet format—no messy weighing required
- Fast dissolving protocol
- Helps enhance resolution and reduce background

Thermo Scientific™ electrophoresis buffers

- High purity buffers for RNA and DNA electrophoresis

Cat. No.	Description	Size
R2801	TopVision Agarose Tablets	200 tablets
R2802		1,000 tablets
B49	TAE Buffer (Tris-acetate-EDTA) (50X)	1 L
B52	TBE Buffer (Tris-borate-EDTA) (10X)	1 L

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Nucleic acid purification kits



Thermo Scientific™ GeneJET™ nucleic acid purification kits

- Convenient spin columns with trusted silica-membrane technology
- High purity and yields of isolated DNA
- Simple and fast isolation procedures

Cat. No.	Description	Size
K0691	GeneJET Gel Extraction Kit	50 preps
K0692		250 preps
K0701	GeneJET PCR Purification Kit	50 preps
K0702		250 preps
K0502	GeneJET Plasmid Miniprep Kit	50 preps
K0503		250 preps

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Direct PCR: amplify without purification

Thermo Scientific™ Direct PCR master mixes offer outstanding convenience for DNA amplification by allowing PCR directly from unpurified samples. A tiny amount of source material is used in the PCR reaction without any DNA purification steps, allowing significant savings in both time and cost. Direct PCR master mixes are compatible with a wide variety of human, animal, and plant sample types.

Learn more at thermofisher.com/directpcr

For accurate quantification of DNA fragments



Thermo Scientific™ MassRuler™ DNA Ladders

- Allow DNA quantification and sizing on agarose gels
- Sharp bands and easy-to-remember fragment sizes and quantities
- Premixed with loading dye for direct loading and room temperature storage
- One-color tracking of DNA migration—no DNA masking during UV exposure

Cat. No.	Description	Range (bp)	Size
SM0383	MassRuler Low Range DNA Ladder, ready-to-use	80 – 1,031	2 x 500 µL
SM0393	MassRuler High Range DNA Ladder, ready-to-use	80 – 10,000	2 x 500 µL
SM0403	MassRuler DNA Ladder Mix, ready-to-use	1,500 – 10,000	2 x 500 µL
R0621	6X MassRuler DNA Loading Dye	N/A	5 x 1 mL

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Go ambient with Thermo Scientific DNA ladders

We minimize shipping and packaging waste, resulting in energy savings and easier shipping and handling requirements, all while helping you achieve the same great results.

Learn more at thermofisher.com/goambient



/ThermoSciBio



@ThermoSciBio

For further information and ordering, go to thermofisher.com/marketplace

*Discount will apply to qualifying orders received by Thermo Fisher Scientific between May 1, 2016 and August 31, 2016, or until promotional supplies are depleted, whichever comes first. Promotion code must be presented at the time of order. Discount applies to the list price in effect at the time the order is received. Promotion cannot be combined with other discounts or promotions. Offer void where prohibited, licensed, or restricted by federal, state, provincial, or local laws or regulation or agency/institutional policy. Other restrictions may apply.

For ordering information and technical support, go to thermofisher.com/contactus

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