Marketplace

Top cloning picks providing proven performance

Special offers on Thermo Scientific™ products:

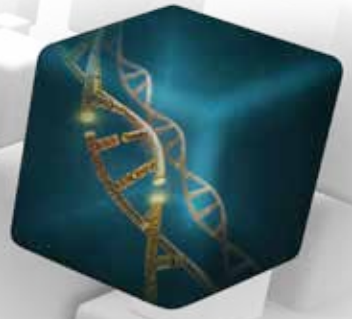
- Cloning kits
- Restriction and modifying enzymes
- Ligation-independent cloning
- DNA ladders and loading dyes
- dNTPs
- High-fidelity DNA polymerases
- PCR plastic tubes and caps

Essentials Tour 2017

thermofisher.com/marketplace

ThermoFisher SCIENTIFIC

Restriction enzymes



176 specificities to support the cut sites you work with.

25% OFF*

Thermo Scientific™ FastDigest™ Restriction Enzymes

One buffer for 176 enzymes. It's that easy. FastDigest enzymes support complete and fast digestions.

- Double and multiple digestions in a universal buffer for any combination of enzymes
- 176 unique specificities
- Complete digestion in 5–15 min
- Direct loading of reaction mixture on gels
- Protocols for plasmid, genomic, and viral DNA as well as PCR products

Discover all 176 FastDigest specificities at: **thermofisher.com/fastdigest**

* Please use promotion code **RM7225** and refer to the back cover for additional terms and conditions and ordering details.

25% OFF*

Thermo Scientific™ DNA modifying enzymes

- Dephosphorylates all types of DNA ends in 10 min at 37°C (Cat. Nos. EF0651/EP0652)
- Blunting and phosphorylation of DNA ends in 5 min (Cat. No. K0771)
- 5'-phosphorylation prior to ligation (Cat. Nos. EK0031/EK0032)
- Blunting of DNA ends—fill-in of 5'-overhangs and/or removal of 3'-overhangs (Cat. Nos. EP0061/2)
- Blunting and labeling by fill-in 5'-overhangs (Cat. Nos. EP0051/EP0052)

Description	Size	Cat. No.
FastAP Thermosensitive Alkaline Phosphatase (1 U/µL)	1,000 U	EF0651
	5 x 1,000 U	EF0652
Fast DNA End Repair Kit	50 reactions	K0771
T4 Polynucleotide Kinase (T4 PNK) (10 U/µL)	500 U	EK0031
	2,500 U	EK0032
T4 DNA Polymerase (5 U/µL)	100 U	EP0061
	500 U	EP0062
Klenow Fragment (10 U/µL)	300 U	EP0051
	1,500 U	EP0052

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NEW Thermo Scientific™ My Pipette Creator™ App

- Offers downloadable, preprogrammed protocols for many of your favorite Applied Biosystems™ TaqMan™ and MagMAX™ reagent kits for the NEW E1-ClipTip™ Bluetooth electronic pipettes
- Accelerates collaboration and reproducibility with its cloud-based app, which enables efficient, centralized programming and sharing of protocols between pipettes and colleagues

Once you connect your NEW Thermo Scientific™ E1-ClipTip™ electronic pipettes to the My Pipette™ Creator app, you will have the power to boost productivity, efficiency, and ultimately your research results.

For more information, visit **thermoscientific.com/mypipette**

PCR cloning tools

25% OFF*

Thermo Scientific™ cloning kits

- PCR cloning of blunt- and sticky-end DNA fragments in 5–10 min (Cat. Nos. K1231/K1232)
- Ligation of blunt- or sticky-end DNA fragments in 5 min (Cat. Nos. K1422/K1423)

Description	Size	Cat. No.
CloneJET PCR Cloning Kit	20 reactions	K1231
	40 reactions	K1232
Rapid DNA Ligation Kit	50 reactions	K1422
	150 reactions	K1423

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Molecular cloning webinars

Watch one of our three cloning webinars and improve your cloning knowledge.

- Tips and tricks for the cloning workflow
- Say farewell to DNA ligase and save time with ligation-independent cloning
- Optimize your cloning—no more trouble with ligation

Go to **thermofisher.com/tswebinars**

25% OFF*

Thermo Scientific™ aLICator™ Cloning and Expression Systems

- Designed for fast and efficient cloning with subsequent tightly regulated gene expression in *E. coli*
- Experience fail-safe cloning and robust expression of different proteins varying in size, origin, and toxicity

Description	Vector	Size	Cat. No.
aLICator LIC Cloning and Expression Kit 1 (untagged)	pLATE 11	20 reactions	K1241
aLICator LIC Cloning and Expression Kit 2 (N-terminal His-tag/EK)	pLATE 51	20 reactions	K1251
aLICator LIC Cloning and Expression Kit 3 (C-terminal His-tag)	pLATE 31	20 reactions	K1261
aLICator LIC Cloning and Expression Kit 4 (N-terminal His-tag/WQ)	pLATE 52	20 reactions	K1281
aLICator LIC Cloning and Expression Set 1 (All-in-one/EK)	pLATE 11, 31 & 51	30 reactions	K1271
aLICator LIC Cloning and Expression Set 2 (All-in-oce/WQ)	pLATE 11, 31 & 52	30 reactions	K1291
WELQut Protease	N/A	500 U	E00861

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The target that should not be cloned
Welcome clone (Laboratory)

DNA ladders for common cloning workflows

Achieve clean bands and clear results with ladders designed to deliver precision and ease-of-use for everyday electrophoresis.

25% OFF*

Thermo Scientific™ GeneRuler™ DNA Ladders

- Broad-range ladders with bright reference bands that allow easy sizing of DNA fragments
- Approximate quantification of a wide range of double-stranded DNA on agarose gels
- Supplied with 6X loading dye

Description	Range	Size	Cat. No.
GeneRuler 100 bp DNA Ladder	100–1,000 bp	50 µg	SM0241
		5 x 50 µg	SM0242
GeneRuler 100 bp DNA Ladder, ready-to-use		50 µg	SM0243
GeneRuler 100 bp Plus DNA Ladder	100–3,000 bp	50 µg	SM0321
		5 x 50 µg	SM0322
GeneRuler 100 bp Plus DNA Ladder, ready-to-use		50 µg	SM0323
GeneRuler 1 kb DNA Ladder	250–10,000 bp	5 x 50 µg	SM0311
		25 x 50 µg	SM0312
GeneRuler 1 kb DNA Ladder, ready-to use		5 x 50 µg	SM0313
GeneRuler 1 kb Plus DNA Ladder	75–20,000 bp	5 x 50 µg	SM1331
		25 x 50 µg	SM1332
GeneRuler 1 kb Plus DNA Ladder, ready-to-use		5 x 50 µg	SM1333

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25% OFF*

Thermo Scientific™ O'GeneRuler™ DNA Ladders

- Ready-to-use version of GeneRuler ladders that are premixed with 6X Orange DNA Loading Dye
- Orange G dye migrates at 50 bp in a 1% agarose gel
- Ideal for use when visualization of small DNA fragments is important

Description	Range	Size	Cat. No.
O'GeneRuler Ultra Low Range DNA Ladder, ready-to-use	10–300 bp	50 µg	SM1223
O'GeneRuler Low Range DNA Ladder, ready-to-use	25–700 bp	50 µg	SM1203
O'GeneRuler 50 bp DNA Ladder, ready-to-use	50–1,000 bp	50 µg	SM1133
O'GeneRuler 100 bp DNA Ladder, ready-to-use	100–1,000 bp	50 µg	SM1143
O'GeneRuler 100 bp Plus DNA Ladder, ready-to-use	100–3,000 bp	50 µg	SM1153
O'GeneRuler 1 kb DNA Ladder, ready-to-use	250–10,000 bp	5 x 50 µg	SM1163
O'GeneRuler 1 kb Plus DNA Ladder, ready-to-use	75–20,000 bp	5 x 50 µg	SM1343
O'GeneRuler Mix DNA Ladder, ready-to-use	100–10,000 bp	5 x 50 µg	SM1173

* Please use promotion code RM7225 and refer to the back cover for additional terms and conditions and ordering details.

25% OFF*

Thermo Scientific™ loading dyes

- Two-color tracking of DNA migration during electrophoresis
- No DNA masking during gel exposure to UV light
- EDTA binds divalent metal ions and inhibits metal-dependent nucleases

Description	Size	Cat. No.
6X DNA Loading Dye	5 x 1 mL	R0611
Orange 6X DNA Loading Dye	5 x 1 mL	R0631

* Please use promotion code RM7225 and refer to the back cover for additional terms and conditions and ordering details.

Molecular biology–grade dNTPs

25% OFF*

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

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

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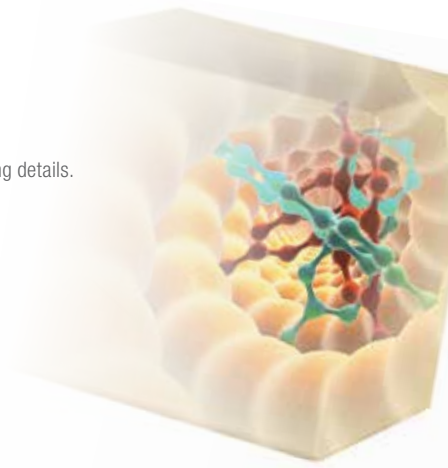

Plastic consumables for PCR and qPCR

42% OFF*

Thermo Scientific™ tubes and caps

- Suitable for 0.2 mL thermal cycler blocks
- Individual tubes with integral “snap shut” caps (Cat. No. AB-0620)
- 8-strip tubes can be divided into individual tubes (Cat. Nos. AB-1182, AB-1183, AB-1191)
- Recommended for use with reaction volumes below 20 µL (Cat. Nos. AB-0776, AB-1770, AB-1771)

Description	Size	Cat. No.
Tubes, 0.2 mL, flat cap	1,000 tubes	AB-0620
Tubes and flat caps, strips of 8	250 strips	AB-1182
Tubes and ultra clear caps, strips of 8	120 strips	AB-1183
Tubes (white) and ultra clear caps, strips of 8	120 strips	AB-1191
Low profile tubes and flat caps, strips of 8	250 strips	AB-0776
Low profile tubes and ultra clear caps, strips of 8	250 strips	AB-1770
Low profile tubes (white) and ultra clear caps, strips of 8	250 strips	AB-1771

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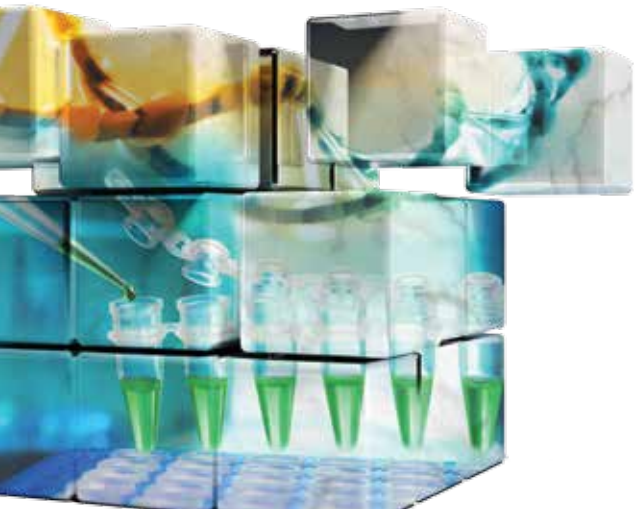

Need custom/OEM solutions for your PCR?

Go to **thermofisher.com/oem-partner**

Disposable plastics
Electrophoresis, Inc.

Cloning with high-fidelity PCR

25% OFF*

Thermo Scientific™ Phusion™ High-Fidelity DNA Polymerases

- Very accurate and fast amplification with high inhibitor tolerance
- Robust performance and high yields with minimal enzyme amounts
- Direct loading on gels with Phusion™ Green formats

Description	Size	Cat. No.
Phusion High-Fidelity DNA Polymerase	100 U	F-530S
	500 U	F-530L
Phusion Hot Start II High-Fidelity DNA Polymerase	100 U	F-549S
	500 U	F-549L
Phusion Hot Start II High-Fidelity PCR Master Mix	100 reactions	F-565S
	500 reactions	F-565L

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