

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

Restriction enzymes

25%
OFF*

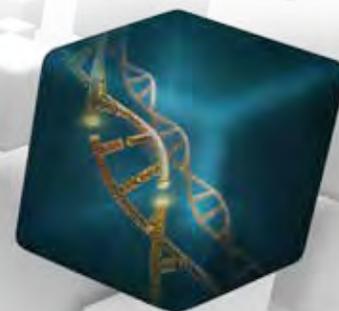
Thermo Scientific™ FastDigest™ Restriction Enzymes

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 RMD425 and refer to the back cover for additional terms and conditions and ordering details.



176 specificities to support
the cut sites you work with.

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

* Please use promotion code RMD425 and refer to the back cover for additional terms and conditions and ordering details.

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-one/WQ)	pLATE 11, 31 & 52	30 reactions	K1291
WELQut Protease	N/A	500 U	E00861

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Spotlight

Check out our spotlight articles that highlight key advances in molecular biology applications, new products, and technical tips and tricks.

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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
GeneRuler 100 bp DNA Ladder, ready-to-use		5 x 50 µg	SM0242
GeneRuler 100 bp Plus DNA Ladder	100–3,000 bp	50 µg	SM0321
GeneRuler 100 bp Plus DNA Ladder, ready-to-use		5 x 50 µg	SM0322
GeneRuler 1 kb DNA Ladder	250–10,000 bp	5 x 50 µg	SM0311
GeneRuler 1 kb DNA Ladder, ready-to use		25 x 50 µg	SM0312
GeneRuler 1 kb Plus DNA Ladder	75–20,000 bp	5 x 50 µg	SM1331
GeneRuler 1 kb Plus DNA Ladder, ready-to-use		25 x 50 µg	SM1332
		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

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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

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Molecular biology–grade dNTPs

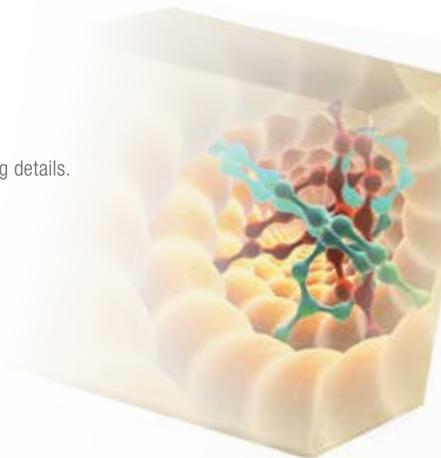
25%
OFF*

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
	4 x 0.25 mL	R0181
dNTP Set (100 mM solutions)	4 x 1 mL	R0182
	4 x 5 mL	R0186

* Please use promotion code RMD425 and refer to the back cover for additional terms and conditions and ordering details.



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 μ L (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

* Please use promotion code RMD442 and refer to the back cover for additional terms and conditions and ordering details.



Need custom/OEM
solutions for your PCR?

Go to thermofisher.com/oem-partner

Disposable plastics

Electrophoresis, Inc.

Cloning with high-fidelity PCR



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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