

Cloning is easy with FastDigest restriction enzymes

One-buffer system, infinite possibilities



>3,000 restriction enzyme-producing strains

18 unique restriction enzymes available

Over 50 years of experience in restriction endonuclease research and development

>40% of all known restriction enzymes cloned

>30% of all known restriction enzymes characterized

1st to develop the one-buffer system



Peak laboratory efficiency with

176 enzymes

24 type IIS enzymes

10 rare-cutter enzymes

5-15 minutes, for fast digestion

1 buffer for all enzymes



Advanced applications

- Golden Gate cloning
- uLoop assembly
- CRISPR-based genome editing

- Seamless cloning
- Bispecific antibody design



Exceptional quality

- Manufactured in class D clean room
- Compliant with ISO 9001, 14001, and 13485 standards



100% activity in downstream applications

Add your enzymes directly to the Thermo Scientific™ FastDigest™ reaction mix.

No buffer changes or purification steps are needed

- DNA Polymerase I
- Klenow Fragment
- T7 DNA Polymerase
- T4 DNA Ligase
- Thermo Scientific™ FastAP™ Thermosensitive Alkaline Phosphatase
- T4 Polynucleotide Kinase



Industry-standard assay

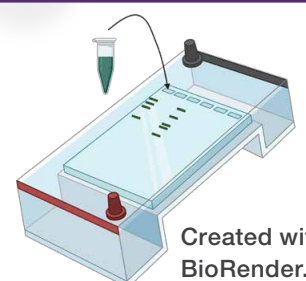
We perform testing with uniquely labeled oligonucleotide with exceptional sensitivity to detect trace activities of the following:

- Endo-deoxyribonucleases
- Exo-deoxyribonucleases
- Phosphatases
- No unspecific activity



Direct loading on gel

Thermo Scientific™ FastDigest™ Green Buffer contains two tracking dyes, allowing the reaction mixture to be directly loaded for gel electrophoresis



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Learn more at thermofisher.com/fastdigest

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