

10X FastDigest Buffer

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WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Sheets (SDSs) are available from [thermofisher.com/support](https://www.thermofisher.com/support).

Contents and storage

Contents	Amount	Storage
10X FastDigest Buffer	5 x 1 mL	-25 °C to -15 °C

Description

Thermo Scientific™ 10X FastDigest™ Buffer is a proprietary restriction digestion reaction buffer. All FastDigest restriction enzymes have 100 % in this buffer which enables:

- Double and multiple digestion in universal buffer for any combination of enzymes
- Eliminates sequential digestions and buffer changes

Thermo Scientific 10X FastDigest Buffer is compatible with downstream applications:

- 100 % of DNA modifying enzymes in FastDigest and FastDigest Green Buffer
- Enzymes for downstream applications can be added directly to the restriction digestion reaction mixture
- No need for intermediate DNA purification steps.

DNA/RNA Modifying enzyme	Activity in FastDigest and FastDigest Green Buffer
DNA Polymerase I, <i>E.coli</i>	100 %
Klenow Fragment	100 %
Klenow Fragment, exo-	100 %
T4 DNA Polymerase	100 %
T7 DNA Polymerase	100 %
T4 DNA Ligase*	75-100 %
FastAP Thermosensitive Alkaline Phosphatase	100 %
T4 Polynucleotide Kinase	100 %

*0.5 mM ATP is required for T4 DNA Ligase activity

Thermo Scientific 10X FastDigest buffer is recommended for applications that require analysis of the digestion product by fluorescence excitations.

Limited product warranty

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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

The information in this guide is subject to change without notice.

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