Protocol

Fast Digestion of DNA

This protocol is for the Fast Digestion of DNA

1. Prepare the reaction mixture at room temperature in the order indicated:

Component	Volume		
	Plasmid DNA	Unpurified PCR product	Genomic DNA
Water, nuclease-free*	15 µl	17 µl	30 µl
10X FastDigest® buffer or 10X FastDigest® Green buffer	2 µl	2 µl**	5 µl
DNA*	2 µl (up to 1 µg)	10 µl (~0.2 µg)	10 µl (5 µg)
FastDigest® enzyme	1 µl	1 µl	5 µl
Total volume	**20 µl**	**30 µl**	**50 µl**

2. Mix gently and spin down.
3. Incubate at 37°C in a heat block or water thermostat for 5 min.***
4. Inactivate the enzyme (optional).***

Note

* The volume of water should be corrected to keep the indicated total reaction volume. The volume of DNA can be scaled up to 10 µl or down to 0.5 µl depending on the DNA concentration.

** Only 2 µl of 10X FastDigest® buffer is required for unpurified PCR product in a 30 µl reaction volume.

*** See the Certificate of Analysis for enzyme and substrate specific incubation time and enzyme inactivation conditions.

thermoscientific.com

North America
Technical Services:
techservice.genomics@thermofisher.com
Customer Services:
customerservice.genomics@thermofisher.com
Tel 800 235 9880
Fax 800 292 6088

Europe and Asia
Technical Services:
techservice.emea.genomics@thermofisher.com
Customer Services:
customerservice.emea.genomics@thermofisher.com

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