DNA Digestion

Protocol

This protocol is for the DNA Digestion

We recommend digesting 0.2-1.5 µg DNA with a 2-fold to 10-fold excess of enzyme in a total volume of 20 µl. A typical restriction enzyme digestion protocol is below.

1. Add the following reaction components in the order indicated:

Water, nuclease-free	16-16.5 µl
10X recommended buffer for restriction enzyme	2 µl
Substrate DNA	1 µl (~1 µg)
Restriction enzyme	0.5-1 µl (5-10 u)
Total volume	**20 µl**

2. Mix gently and spin down briefly.
3. Incubate at the optimal reaction temperature for 1-16 hours.

Note

- The digestion reaction may be scaled either up or down.
- Some enzymes require additional components to obtain the stated activity. In these cases, add the required additive and adjust the volume of water appropriately.

thermoscientific.com

© 2012 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

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

Thermo SCIENTIFIC

Part of Thermo Fisher Scientific