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Thermolabile Proteinase K Typical Reaction Protocol

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1 Works for me dx.doi.org/10.17504/protocols.io.7r6hm9e

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EXTERNAL LINK

<https://neb.com/protocols/2019/03/19/thermolabile-proteinase-k-typical-reaction-protocol>

MATERIALS

NAME	CATALOG #	VENDOR
Thermolabile Proteinase K	P8111S	New England Biolabs

SAFETY WARNINGS

Please see SDS (Safety Data Sheet) for hazards and safety warnings.

- Reactions may be scaled-up linearly to accommodate larger amounts of substrate and larger reaction volumes. Optimal buffering reagents, enzyme quantity, incubation temperatures and times may vary for particular substrates. Typical restriction enzyme cleanup conditions are as follows:

To a 50 µl restriction enzyme digest containing 1 µg of DNA and 10 units of a restriction enzyme:



- Add 1 µl of *Thermolabile Proteinase K*, mix gently.



- Incubate reaction at 37 °C for 00:15:00 .



- Incubate reaction at 55 °C for 00:10:00 to inactivate *Thermolabile Proteinase K*.



Note: Optimal reaction buffers, reaction temperatures as well as additional reaction properties of Thermolabile Proteinase K can be found in detail in the [FAQ](#). Optimization may be required for other cleanup applications (ligation, extension, PCR, etc.)