

May 16, 2020

Version 1

# Thermolabile Proteinase K Typical Reaction Protocol V.1

DOI

[dx.doi.org/10.17504/protocols.io.7r6hm9e](https://dx.doi.org/10.17504/protocols.io.7r6hm9e)



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**Protocol status:** Working

**We use this protocol and it's working**

**Created:** September 27, 2019

**Last Modified:** May 16, 2020

**Protocol Integer ID:** 28190

**Keywords:** reaction

## Materials

### MATERIALS











 Thermolabile Proteinase K **New England Biolabs Catalog #P8111S**

## Troubleshooting

## Safety warnings

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



- 1 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  $\mu\text{L}$  restriction enzyme digest containing  1  $\mu\text{g}$  of DNA and 10 units of a restriction enzyme:
- 2 Add  1  $\mu\text{L}$  of *Thermolabile Proteinase K*, mix gently. 
- 3 Incubate reaction at  37 °C for  00:15:00 . 
- 4 Incubate reaction at  55 °C for  00:10:00 to inactivate *Thermolabile Proteinase K*. 

#### Note

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.)