



# Digestion with DpnI Protocol



# Digestion with DpnI

## Introduction

Digestion with DpnI restriction enzyme will degrade the DNA template used in the PCR amplification. This way, only the amplicon will remain intact. DpnI cleaves only when its recognition site is methylated.

## Materials

- › PCR result
- › CutSmart Buffer 10x
- › DpnI

## Procedure

### Digestion with DpnI

#### 1. Prepare the reaction:

20 uL PCR result  
2.3 uL CutSmart Buffer 10x  
1 uL DpnI

#### 2. Incubate 15-30 min at room temperature

## Bibliography

1. New England Biolabs. (n.d.-a). DpnI. Retrieved October 19, 2021, from Neb.com website: <https://international.neb.com/products/r0176-dpni>