

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>