DpnI Digestion of PCR Products

Introduction

Adapted by Jacob Mejlsted from NEB's product information and Barrick Lab
This protocol describes digestion of DNA with DpnI. This can be used after a PCR reaction to remove the template DNA. It is recommended that the PCR product is purified before this digestion is conducted, but not necessary.

Materials

- Chemicals
  - DpnI enzyme

Procedure

DpnI digestion

1. Add 1µL of DpnI to finished 50µL PCR reactions (or .5µL to 25µL reactions). Pipet or invert to mix.
2. Incubate the mixture at 37 °C for 1-2 hrs.

   Alternatively, the solution can be left overnight at room temperature.
   Periodic mixing may aid digestion (but is unnecessary).
3. PCR cleanup or gel-purify the reaction for downstream processes **OR** heat inactivate at 80 °C for 20 min.