Ligation protocol

Introduction

Get started by giving your protocol a name and editing this introduction.

Materials

- Ice
- Digested fragments
- T4 DNA Ligase buffer
- T4 DNA ligase
- Sterile H2O
- Heatblock/PCR machine

Procedure

Ligation

1. Keep all component on ice. Take the Ligase out of the freezer directly to ice only right when you need it and return it to the freezer right after use.
2. Use 2µl of each restriction reaction

   this is your ligating DNA
3. Add 1µl 10x T4 DNA Ligase Buffer
4. Add 0,5µl T4 DNA Ligase
5. Adjust total volume to 10µl with H2O
6. Ligate in rt for 30min
7. Inactivate the ligase by incubating in 80° *C* for 20min
8. Use 1-2µl for transformations