

Restriction digest

Aim of the experiment

A restriction digest is used to digest DNA into specified fragments to prepare them for assembly techniques like A3 Assembly.

Materials

- Template DNA
- Restriction Enzyme of choice
- 10x Cutsmart Buffer (NEB)
- ddH₂O

Procedure

1. Mix the following reagents.

Concentration	Reagents
4 – 5µg	Template DNA
1µl	Restriction enzyme
4µl	Cutsmart Buffer (NEB)
Fill to 40µl	ddH ₂ O

2. Incubate 2 – 3 hours at 37°C.