Restriction Enzyme Digestion

Material

restriction enzymes from New England Biolabs

NEB Buffer

DNA

ddH_2O

Procedure

1. To check if the two selected restriction enzymes can perform effective catalysis in the same solution

2. Mix DNA solution with the suitable amount of the master mix. (25.0μL reactionsystem)

DNA	20.0μL
10x NEB Buffer	2.5μL
Restriction enzyme	1.0μL of each
ddH_2O	1.25μL

--------25.0μL Total

2. Pipette up and down in the EP tube.

3. Incubate: 37°C for 3 hours.

4. Enzyme inactivation: 80°C for 30 minutes.