Performing ligation of DNA insert into vector DNA.

Materials:
Linear Vector DNA
Insert DNA
10x T4 DNA Ligase buffer
T4 DNA Ligase

Procedure:

 ddH_2O

- 1. Add 2ul of digested plasmid backbone (25 ng)
- 2. Add equimolar amount of EcoRI Spel digested fragment
- 3. Add equimolar amount of Xbal Pstl digested fragment
- 4、Add 1 ul T4 DNA ligase buffer. Note:
- 5、Add 0.5 ul T4 DNA ligase.
- 6. Add water to 10 ul.
- 7. Ligate 16°C/30 min, heat kill 80°C/20 min.