

Ligation

Materials:

digested plasmid DNA or PCR product

T4 ligation buffer (10x)

T4 ligase

H₂O

water bath at 16 °C

Protocol:

10× T4 buffer	2.5ul
T4 enzyme	1ul
DNA inserter	10 times to DNA vector
DNA vector	1/10 times to DNA inserter
ddH ₂ O	Add to 25ul

Usually it comes down to keeping it ~16 °C overnight.