Sticky-end DNA insert Ligation into vector DNA protocol

1. Prepare the following reaction mixture:

Linear vector DNA	20-100 ng
Insert DNA	1:1 to 1:5 molar ratio over vector
10x T4 DNA Ligase buffer	2 µl
T4 DNA ligase	1 µl
dH_2O	to 20 µl
Total volume	**20 µl**

2. Incubate 1h at 22 ˚C or over night at room temperature.

3. Use 5 µl of the mixture for transformation of 50 µl of chemically competent cells.