

## 8. DNA Ligation

### *Material*

Insert DNA fragment  
Vector DNA Fragment  
T<sub>4</sub> DNA Ligase Buffer  
T<sub>4</sub> DNA Ligase  
Double Distillation Water (ddH<sub>2</sub>O)  
Incubator

### *Steps*

- ① Add 4μl insert fragment, 3μl vector fragment, 1μl T<sub>4</sub> DNA Ligase Buffer, 1μl T<sub>4</sub> DNA Ligase, 1μl ddH<sub>2</sub>O into an EP tube.
- ② Put the tube into the incubator at 16°C for 12h.