

# Ligation

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## Abstract

Ligation protocol. Do ligation using a vector:insert molar ratio of 1:3.

**Citation:** Snehadri Sinha Ligation. **protocols.io**

[dx.doi.org/10.17504/protocols.io.gzfbx3n](https://dx.doi.org/10.17504/protocols.io.gzfbx3n)

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## Protocol

### Step 1.

Combine in PCR/eppendorf tube:

Vector DNA

Insert DNA

2 ul 10X T4 Ligase buffer

1 uL T4 DNA Ligase (added last)

H2O to total of 20 uL

### Step 2.

Gently mix by up and down pipetting

### Step 3.

Incubate at room temperature for 2 h or at 16 C overnight.

### Step 4.

Proceed with transformation.