

## 2024 NEFU\_China

Restriction endonuclease reactions

### ABSTRACT

This protocol is used to having restriction endonuclease reactions based on endonuclease by NEB.

1. Add the following reagents to a PCR tube (e.g. 50 $\mu$ l) on ice.

	A	B
1	Restriction Enzyme	10 units is sufficient, generally 1 $\mu$ l is used
2	DNA	1 $\mu$ l
3	10 x NEBuffer	5 $\mu$ l
4	ddH <sub>2</sub> O	To 50 $\mu$ l

2. Incubate at 37°C in water bath for 2 hour.

3. Stop the reaction by heat inactivation. Temperature and time for inactivation depends on the enzyme.

4. Use electrophoresis to confirm if correct construct was present.