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# Restriction endonuclease reactions

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

DOI

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Water bath

ddH<sub>2</sub>O

Endonuclease (NEB)

10 x NEBuffer

- 1 Add the following reagents to a PCR tube (e.g. 50µl) on ice.

A	B
Restriction Enzyme	10 units is sufficient, generally 1 µl is used
DNA	1µl
10 x NEBuffer	5µl
ddH2O	To 50µl

- 2 Incubate at 37°C in water bath for 1 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.