

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 μ l) on ice.

A	B
1 Restriction Enzyme	10 units is sufficient, generally 1 μ l is used
2 DNA	1 μ l
3 10 x NEBuffer	5 μ l
4 ddH ₂ O	To 50 μ l

2. Incubate at 37°C in mental bath for 2 hours.

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

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