Restriction enzyme protocol

Before you begin:

Check what NEB 10x buffer(s) you need for the reaction:

https://www.neb.com/tools-and-resources/interactive-tools/enzyme-finder

- If you use 2 restriction enzymes, check for % activity in NEBuffer: https://www.neb.com/tools-and-resources/interactive-tools/enzyme-finder
- Remember to take the enzyme out of the freezer just before you
 are about to use it, and to immediately put it back in!
- According to amount of DNA digested, add the following amounts:

DNA:	Depends on the application: Checking miniprep by cutting: around 500ng Cutting from gel – depending on fragment size (ask your mentor)
restriction enzyme:	Known rule: 1 u of enzyme cut 1ug of DNA in 1 hour. In practice: 0.5ul of enzyme.
Buffers:	Check NEB website for the specific buffer 1.1=1+BSA (X10) 2.1=2+BSA (X10) 3.1=3+BSA (X10) Cut smart=4+BSA (X10)
H2O (mbw)	To minimal volume possible (usually 20ul)

Incubate for 2 h at 37°C (dry bath), if both enzymes are HF- 15-30 min and then put on ice!