

**SOP Name:** DNA Restriction Digest

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**Source(s):** Adapted from Exeter 2015

**Time Required:** 4 Hours

**Materials:**

- NEB Buffer 2 (2.5 µl)
- Enzymes (1 µl of each)
- DNA (250 ng)

**Procedure:**

1. Thaw NEB buffer 2 in room temperature water.
2. Add 250 ng DNA to a 0.5 PCR tube on ice.
3. Add 2.5 µl NEB buffer 2.
4. Add all enzymes.
5. Make up reaction to 20 µl with nucleasefree water, mix well and spin down briefly to collect in bottom of tube.
6. Incubate at 37°C for 3hours, 80°C for 20 mins (heat kill), and hold at 4C.