DNA Extraction Protocol

Modified from Edwards *et al*. (1991, NAR 19:1349)

1. Place about 20 mg of plant tissue in Eppendorf tube.

2. Break up tissue with pellet pestle (Kontes: Vineland, NJ).

3. Add a little sterile sand and 400 μl of extraction buffer (200 mM Tris-HCl pH 7.5, 250 mM NaCl, 25 mM EDTA, 0.5% SDS).

4. Grind on ice with pellet pestle until completely ground up.

5. Centrifuge in table-top microfuge at 4 ˚C for 2 min.

6. Transfer supernatant to new Eppendorf tube (about 250 μl).

7. Add 1 volume of ice cold isopropanol and incubate on ice for 5-30 min.

8. Centrifuge in microfuge at room temperature for 5 min.

9. Discard supernatant and dry pellet.

10. Resuspend in 100 μl of TE, store at -20 ˚C.

11. A 1:100 dilution of this extract should be good for PCR reactions.