



DNAMITE[®] Tissue Kit (100 preps)

General Protocol:

Place 0.5 to 1 cm of fresh or thawed tissue into a round bottom screwtop microcentrifuge tube. (Make sure that the tissue is kept cold prior to the extraction)

- Add 0.5 ml of Solution **LA*** to the tissue
- Add 20 μ l of **Proteinase K** solution (20 mg/ml)
- Place on a thermal shaker and incubate (300 rpm) at 65°C for 3 hrs or overnight
- Add 50 μ l of Solution **PA**. Vortex the sample briefly
- Spin at 10,000 rpm for 5 minutes in a microfuge. (White precipitate will form)
- Transfer 450 μ l of the **supernatant** into a new tube containing 450 μ l of Solution **CA**, being careful to avoid transferring any debris. Vortex briefly
- Leave on the bench for 5 minutes
- Spin in a microfuge at 13,000 rpm for 7 minutes to pellet the DNA
- Remove the supernatant with a 1 ml pipette
- Re-spin the tube briefly and remove the dregs
- Add 50 μ l of 10/1 TE

NB: The pellet may not be visible.

- Leave for 30 minutes (or overnight) to allow the DNA to rehydrate
- Use 2 to 3 μ l of a 1/10 dilution in a 25 μ l PCR (guide only)

* If solution **LA** shows a white precipitate it needs warming before use. Place bottle in a warm water bath or microwave briefly until solution becomes clear

