

DNAMITE[®] Tissue Kit

100 Preparations

Protocol

Before you start:

- Prepare 65°C waterbath
- If precipitate has formed in Solution LA incubate the bottle at 65°C until the solution becomes clear
- Thaw Proteinase K at room temperature
- Place 0.5 to 1 cm² of fresh or thawed tissue into a round bottom screw top micro-centrifuge tube. (Make sure that the tissue is kept cold prior to the extraction)

DNA Extraction

- Add 0.5 ml of Solution LA to the tissue
- Add 20 μl of Proteinase K solution*
- Place on a thermal shaker and incubate (~300 rpm) at 65°C for 3 hrs or overnight
- Add 50 μl of Solution PA. Vortex the tube briefly
- Spin at 10,000 rpm for 5 minutes in a microfuge. (White precipitate will form)
- Transfer 450 μl of the supernatant into a new tube containing 450 μl 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 tip
- Re-spin the tube briefly and remove the dregs
- Add 50 μl of 10/1 TE or Molecular Grade Water

NB: The pellet may not be visible

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

TIPS:

*Refreeze remainder of Proteinase K after use

Related Products

MegaMixes = Clear or blue PCR mixes for instant and accurate PCRs
TE = Molecular Grade 10 mM Tris pH 7.5 & 1 mM EDTA pH 8.0
Just Water = Molecular grade water in handy sizes

Supplied as 6 bottles (2 x 25 ml LA, 2 x 2.5 ml PA & 2 x 25 ml CA) and 2 x 1.0 ml tubes of Proteinase K

Store at room temperature & at -20°C

For Research Only