

## Fast preparation of DNA from ear biopsy: Hot Shot protocol

**Note :** This protocol is suitable for a specific PCR amplification performed for simple genotyping. It does not produce pure DNA and is not appropriate for microsatellites or other DNA analysis.

### Protocol

Cut a piece of ear by an ear punch (diameter : 2 mm). Please note that the biopsy should not be larger than indicated as it may alter the PCR efficiency.

Put the biopsy in the microtube. If not immediately used, store at -20°C.

Close the tube but use a needle to make a hole in the cap.

Add 75µl of 25 mM NaOH, 0.2 mM NA<sub>2</sub>EDTA, pH 12

Incubate at 95°C during 10 minutes

Cool samples on ice during 10 minutes

Mix well and neutralize with 75µl of 40 mM Tris-HCL, pH 5.0

Centrifuge at 14000 rpm during 6 minutes and transfer supernatant (120µl) in a clean microtube.

Use 2.5µl in a 25 µl PCR set up.

Store samples at 4°C or at -20°C.

Ref. Truett et al. Biotechniques 29 : 52-54 (2000)