Tail DNA preparation

Add 500ul of lysis buffer* to the piece of tail and add

A)	or	B) night birds method
20ug proteinase K (2ul of 10mg/ml) rotate overnight @ 55°C		100 ug proteinase K (10ul of 10mg/ml) rotate 3-4h @ 55°C

Do not digest the tissue too long (you will destroy the DNA!!!). This is the reason why I prefer the method B and I go further on when the viscosity of the preparation decreases.

Vortex 1min and spin 10min @max**. **The bottom of the tube usually contains hairs, and bones, so don't worry and** pour the supernatant in a new tube and add 500ul of isopropanol, mix well until the "jelly fish" appears, then :

A) Mohamed's tricky method	or	B) works better !!!
take precipitate DNA with a yellow tip and put in a new tube containing 500ul of TE (10mM Tris-Cl pH 7.5, 0.1 mM EDTA)		centrifuge 10min @max, remove the supernatant, wash with 500ul of EtOH 70%, centrifuge 5min @max, remove the supernatant then add 500 ul of TE

warm the tubes to 80°C for 10min then vortex for 1 min. Repeat this operation until the DNA is completely dissolved.
use 1ul for PCR***.

---

*Lysis buffer :	Stock	Final
0.1M Tris-Cl pH 8.5	1M	50ml
5mM EDTA	0.5M	5ml
0.2% SDS	10%	10ml
0.2M NaCl	5M	20ml
water to 500 ml		

** @max = 13'000 rpm for the usual eppendorf centrifugation device