

# Purification of Genomic DNA from Mouse Tail with Proteinase K

This protocol is for the Purification of Genomic DNA from Mouse Tail with Proteinase K

1. Place a 0.5-1 cm sample of mouse tail into a 1.5 ml micro centrifuge tube.
2. Add 500  $\mu$ l of lysis buffer (50 mM KCl, 50 mM Tris-HCl (pH 8.0), 2.5 mM EDTA, 0.45% NP-40, 0.45% Tween-20).
3. Add 2.5  $\mu$ l of Proteinase K, 20 mg/ml and mix briefly.
4. Incubate overnight at 55°C.

**Optional.** Incubate for an additional 1 hour at 65°C.

5. Vortex and spin 10 seconds at 13,000 rpm to collect cell debris.
6. Use 1  $\mu$ l from the top part of the supernatant per 50  $\mu$ l of PCR mix.

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