



Creative Nucleic Tools

**D-Tail™**  
**Mouse Tail DNA Extraction Kit**  
Cat # DE-11

**Congratulations on your purchase. This *room temperature stable* kit provides 100 extractions and contains two bottles: 30 ml of Solution 1 (**green tag**) and 12 ml of Solution 2 (**red tag**).**

**D-Tail™** is a fast, simple and efficient method of extracting DNA from mouse tail or ear tissue.

**D-Tail™** provides PCR-ready DNA **in 20 minutes** with a single incubation step.

**D-Tail™** is room temperature stable for up to 12 months. No need for ice or refrigeration, this kit can be stored at your bench, freeing up freezer space and the inconvenience of freezing and thawing.

**Instruction for use:**

1. Place tail snip or ear tissue (an approx. 2 mm piece) into a labeled 1.5 ml micro centrifuge tube.
2. Open the **D-Tail Solution 1** bottle. Add 100 µl of the solution to the microcentrifuge tube and close the bottle of *D-Tail Solution 1*.
3. Vortex the tube for 1-2 seconds and then incubate at 95°C in a heating block for 20 minutes.
4. Open the **D-Tail Solution 2** bottle. Add 100 µl of the solution to the microcentrifuge tube, close the bottle of *D-Tail Solution 2* and vortex the tube for 1-2 seconds.
5. DNA is ready for PCR!

A 2 mm mouse tail snip (providing 2-6 mg of tissue) should yield from 10-40 µg of DNA. Use 1 µl of the DNA supernatant for a 25 µl PCR reaction or 2-3 µl of the DNA supernatant for a 50 µl PCR reaction.

For long-term storage of genomic DNA, centrifuge at room temperature at 2,000 rpm for 5 minutes, transfer supernatant into a clean 1.5 ml tube and store at – 20 °C.

**Solution 1 is a mild irritant; avoid contact with skin and eyes.**

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**Note:** This product is intended for laboratory research only. The safety and efficacy of this product in diagnostic or other clinical uses has not been established.

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