

Tail DNA Extraction Kit

Catalogue #: MNK001
Storage: 4 °C
Size: 100 preps.

Descriptions:

The Tail DNA Extraction Kit is designed for preparing high quality genomic DNA from mouse tail.

No phenol
No chloroform
No Bio-hazard

Kit Components:

<i>Components</i>	<i>Description</i>	<i>Volume</i>
A	Lysing Solution	50mL
B	Salt Solution	25mL
MP023	Proteinase K	1mL
MB010.1	TE Buffer	10mL

Preparation Procedures:

Materials needed but not provided in the kit:

*2-mercaptoethanol
ethanol*

1. Cut 1-3 mm of mouse tail or toe tips from mice into 1.5 mL microcentrifuge tubes.
2. Lyse tail biopsy for 4 hours to overnight in 500ul Lysing Solution (with proteinase K and 2-mercaptoethanol).

Add fresh to aliquots of solution:

5ul 2-mercaptoethanol (not included) per 1ml lysing solution

20ul Proteinase K (20mg/ml) per 1ml lysing solution

3. Incubate at 55 °C.
4. Vortex 10 seconds. Add 250ul Salt Solution and vortex 5 seconds. Let stand 15 minutes on ice.
5. Spin 15 min at maximum speed at 4 °C
6. Transfer supernatant to clean tube and precipitate DNA with 750ul ethanol. Mix well. Pellet by spinning gently at room temperature at speed "10" for 2-3 minutes.
7. Wash DNA pellet with 750ul 70% ethanol and air dry. Dissolve in 100ul TE or DNase-free water. Resuspend DNA rapidly by incubating 15 minutes at 55 °C

For resaech use only