Mouse Tail DNA extraction Kit (Catalog# TBS6005)

DESCRIPTION

Mouse tail DNA extraction kit provides a simple and rapid method for the isolation of total DNA for genotyping. Specially formulated buffer system minimize RNA copurified with DNA without RNase A treatment. If RNA-free genomic DNA is required, RNase A can be treated with. No organic extraction and alcohol precipitation are needed and multiple samples can be easily processed simultaneously.

Features and Benefits

- Accurate and consistent DNA extraction from mouse tail.
- Instant use: No need of additional materials
- Simple and safe procedure
- No use of organic solvents
- Ready for use in PCR and other enzymatic reactions

Component list

- Extraction Buffer 25 mL
- Proteinase K 1 mL 20 mg/mL

Storage: Supplied for 1000 samples. Store kit at -20°C freezer.

Procedure

1) Use only a small piece of tissue per tube.
2) Prepare enough digestion solution by mix 1 part Proteinase K with 20 part extraction buffer (1:20), 20 μL digestion solution is need for each 3mm tissue.
3) Add 20 μL digestion solution to each tube. If needs crush tissue in solution with clean, sterile, blue pestle until well dispersed.
4) Close tube. Invert to mix. Set aside until all samples are brought to step 4.
5) Incubate tubes at 55°C-60°C for 15-30min.
6) Vortex for 5 second.
7) Quick spin to collect all of the solution to new tubes.
8) Add 100 μL ddH2O to each tube, vortex 5’, quick spin.
9) Keep the tubes in boiling water or heat plate for 5 min.
10) Spin 14,000 rpm for 5min.
11) Take 5 μL to do PCR or store at -20°C for later use.

RELATED PRODUCTS:
Blood DNA Extraction Kit (catalog# TBS6004)
Cell DNA Extraction Kit (catalog# TBS6007)
Tissue DNA Extraction Kit (catalog# TBS6006)
qPCR Superkit (catalog# TBS4001)