Blood DNA Extraction Kit

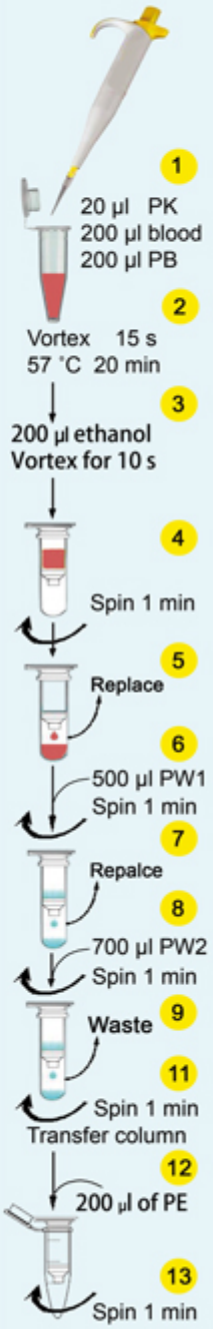
Cat. No. A101201

Before starting

1. Add 10 ml of absolute ethanol to the PW1 (only at the first use).
2. Add 48 ml of absolute ethanol to the PW2 (only at the first use).
3. Add Proteinase K (PK) solution to the lyophilized powder of proteinase K and store at -20 ˚C until usage (only at the first use).
4. Check PW1 and PB for salt precipitation. Redissolve any preciptation at 50 ˚C.
5. Preheat the solution of PE to 56 ˚C before starting the extraction process to enhance DNA extraction yield.

Blood DNA Extraction Protocol

1. Add 20 µl of proteinase K, 200 µl of blood and finally 200 µl of PB into a 1.5 ml microtube.
2. Mix them well by vortexing (15 s) and incubate at 57 ˚C for 20 min.
3. Add 200 µl of absolute ethanol and mix it by vortexing (10 s).
4. After a quick spin, carefully trasfer lysate to the spin column. Do not touch upper rim of column. Spin for 1 min at 13,000 rpm. If you see blood on the column, repeat the spin for 1 min.
5. Replace the collection tube with a new one.
6. Add 500 µl of PW1 and spin for 1 min at 13,000 rpm.
7. Replace the collection tube with a new one.
8. Add 700 µl of PW2 and spin for 1 min at 13,000 rpm.
9. Pour off the flow-through of collection tube.
10. Repeat step 8 and 9 with 500 µl of PW2 (optional)
11. Spin for 1 min at 13,000 rpm to remove the remaining of the wash buffer. Transfer the spin column to a new 1.5 ml microtube.
12. Add 200 µl of preheated PE, wait 3 min at room temprature. If you want more concentration add less PE (100 µl).
13. Spin for 1 min at 13,000 rpm to elute DNA from the column. Store DNA solution at -20 ˚C.



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