

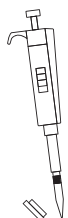


AviDex™ Blood DNA

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.
4. Check PW1 and PB for salt precipitation. Redissolve any precipitation at 50 °C.
5. Preheat the solution of PE to 56 °C before starting the extraction process to enhance DNA extraction yield.

Reagents NOT Provided: 96% ethanol



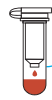
20 µl PK
200 µl lysate
200 µl PB

Vortex 15 s
57 °C 20 min

200 µl ethanol
Vortex for 10 s



Spin 1 min



Replace

500 µl PW1
Spin 1 min



Replace

700 µl PW2
Spin 1 min



Pour off

Spin 1 min

Transfer column

200 µl of PE



Spin 1 min

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 transfer 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 temperature or 57 °C (If you didn't warm PE). 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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Molecular Biology Products

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kit content

No.	Description:	Packing	Qty.
1	PB (Blood Binding Buffer)	12 ml	1
2	PW1 (Wash Buffer)	15 ml	1
3	PW2 (Wash Buffer)	12 ml	1
4	PE (Elution Buffer)	12 ml	1
5	PK (PK Storage Buffer)	1 ml	1
6	Proteinase k	20 mg	1
7	Spin Column	50	1
8	Collection Tube	50	3

Research Use Only

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