eCube Blood DNA Mini Kit

* for whole blood

* for cultured cells

- * Things to do before starting
- 1. Add 1.1 ml ddH₂O to each Proteinase K tube to make a 10mg/ml stock solution. Store the stock solution at 2-8°C.
- 2. Preheat a water bath or a heat block bath to 60°C before the operation.
- 3. For 50preps, add 8ml ethanol (96-100%) to Wash Buffer 1 and add 40ml ethanol (96-100%) to Wash Buffer 2. For 200preps, add 32ml ethanol (96-100%) to Wash Buffer 1 and add 160ml ethanol (96-100%) to Wash Buffer 2. For 300preps, add 45ml ethanol (96-100%) to Wash Buffer 1 and add 200ml ethanol (96-100%) to Wash Buffer 2.
- 4. All centrifuge steps are done at full speed (14,000 rpm or 10,000 x g) in a microcentrifuge.



- 1. Transfer up to **200ul blood** to a micropcentrifuge tube (not provided).
- If the sample volume is less than 200ul, add the appropriate volume of PBS.
- 2. Add 20ul Proteinase K and 20ul XPBG Buffer to the sample. Mix thoroughly by pulse-vortexing.
- 3. Incubate at 60°C for 15 min to lyse the sample. During incubation, vortex every 3 5 minutes.
- 4. Add 200ul ethanol (96 100%) to the sample. Mix thoroughly by pulse-vortexing for 30 seconds.



- 6. Centrifuge for 1 min then discard the flow-through.
- 7. Add 500ul of Wash Buffer 1 to XPBG Column.

8. Centrifuge for 1 min then discard the flow-through.

- 9. Add 750ul of Wash Buffer 2 to XPBG Column.
- 10. Centrifuge for 1 min then discard the flow-through.
- 11. Centrifuge for **3 min** to dry column
- 12. Add **50ul 200ul of Elution Buffer or ddH_2O** (pH 7.0 8.5) to the membrane center of XPBG Column. Stand the column for 3 min.
 - 13. Centrifuge for 2 min

14. You can get pure gDNA.

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