

eCube Tissue DNA Mini Kit

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* 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 two dry baths or two water baths before the operation one to 60°C the other 70°C.
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.

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Grind the Sample
(up to 25mg)



1. Add **200ul of XPTG1 Buffer** and homogenize the tissue sample more completely with micropestle.
2. Add **20ul Proteinase K (10mg/ml)** to the sample mixture. Mix thoroughly by vortexing.
3. **Incubate at 60°C** until the tissue is lysed completely (usually in 1hr, depends on the sample types). Vortex every 10 – 15 min during incubation.
4. Add **200ul XPTG 2 Buffer** to the sample mixture, mix thoroughly by pulse-vortexing and incubate at **70°C for 10 min**.
5. Add **200ul ethanol (96 – 100%)** to the sample. Mix thoroughly by pulse-vortexing.



6. Transfer the sample mixture (including any precipitate) carefully to **XPTG Column**.



7. Centrifuge for **1 min** then discard the flow-through



8. Add **500ul of Wash Buffer 1** to XPTG Column.



9. Centrifuge for **1 min** then discard the flow-through



10. Add **750ul of Wash Buffer 2** to XPTG Column.



11. Centrifuge for **1 min** then discard the flow-through



12. Centrifuge for **3 min** to dry column



13. Add **50ul – 200ul of Elution Buffer or ddH₂O** (pH 7.0 – 8.5) to the membrane center of XPTG Column. Stand the column for 3 min.



14. Centrifuge for **2 min**



15. You can get pure gDNA.

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12. Centrifuge for **3 min** to dry column



13. Add **50ul – 200ul of Elution Buffer or ddH₂O** (pH 7.0 – 8.5) to the membrane center of XPTG Column. Stand the column for 3 min.



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