CatchGene™ Saliva DNA Kit

Cat. No.	Rxn
MD11004	4
MD11050	50
MD11250	250

Kit Content

	4rxn	50rxn	250rxn	
Spin Column	4	50	250	pcs
Collection Tube (2 ml)	12	150	750	pcs
PK Solvent	0.5	1.5	10	ml
Proteinase K	1	11	11 x5	mg
Buffer DL	1.92	24	120	ml
Buffer W1 (concentrated)	1.68	21	105	ml
Buffer W2 (concentrated)	0.68	8.4	42	ml
Elution Buffer	0.96	12	60	ml

Kit Storage

Upon arrival,

1. Please store **Proteinase K** at **-20℃** for long term storage.
2. Buffer, solvent and consumables, please store at 15-25 ℃.

Kit Preparation

1. **Prepare 10 mg/ml Proteinase K**
   For 1 mg Proteinase K, please add 100 µl PK Solvent into tube and vortex thoroughly for dissolving
   For 11 mg Proteinase K, please add 1100 µl PK Solvent into tube and vortex thoroughly for dissolving
   After dissolving into solvent, plase store in 4°C for 6 month or -20°C for 1 year.
2. **Prepare Buffer W1**
   Add equal volume of 100% EtOH into Buffer W1 (concentrated) to get Buffer W1.
   After adding 100% EtOH, please check the sticker on the bottle and close the cap tightly.
3. **Prepare Buffer W2**
   Add 4 volume of 100% EtOH into Buffer W2 (concentrated) to get Buffer W2.
   After adding 100% EtOH, please check the sticker on the bottle and close the cap tightly.

General Protocol

1. Re-suspend the saliva sample which preserved in the *CatchGene™ Saliva Preservation Tube* and aliquot 400 µl sample into a 1.5 ml micro-centrifuge tube.
2. Add 400 µl Buffer DL, mix by vortex for 30 sec then brief spin down.
2. Add 20 µl Proteinase K, mix by vortex for 30 sec then brief spin down. Incubate at 60 °C for 15 min.
3. Centrifuge at 11,000 x g for 3 min.
4. Transfer 400 µl clear lysate to a new tube, and add 200 µl 100% EtOH, pluse-vortexing for 15 sec then brief spin down.
5. Place the Spin Column into a new Collection Tube (2 ml).
6. Transfer all mixture to Spin Column, centrifuge at 11,000 x g for 1 min, discard the flow-through and change a new Collection Tube.
7. Add 700 µl Buffer W1 into Spin Column, centrifuge at 11,000 x g for 1 min, discard the flow-through.
8. Add 700 µl Buffer W2 into Spin Column, centrifuge at 11,000 x g for 1 min, discard the flow-through.
9. Change a new Collection Tube, centrifuge at 11,000 x g for 3 min.
10. Place the Spin Column into a 1.5 ml micro-centrifuge tube, add 30-200 µl Elution Buffer and incubation at room temperature for 3 min, centrifuge at 11,000 x g for 1 min for elution.

FOR RESEARCH USE ONLY