iCatcher® Tissue DNA 250 Kit

Cat. No.	Rxn
AD20025-36	36

Kit Content

	36rxn	
Syringe	36	set
Elution Tube	36	pcs
AD20025 Cartridge	36	set
AD20025 Column Set	36	set
AD20025 Tip Set	36	set
EtOH Tube	36	pcs
Sample Tube	36	pcs
Buffer DTL	10	ml
Proteinase K	11	mg
PK Solvent	1.5	ml

Kit Storage

Upon arrival,

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

Kit Preparation

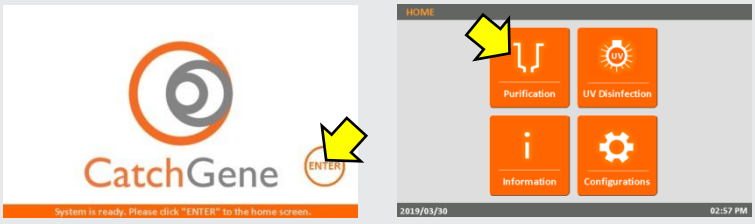
1. **Prepare 10 mg/ml Proteinase K**
   For 11 mg Proteinase K, please add 1.1 ml PK Solvent into tube and vortex thoroughly for dissolving.
   After dissolving into solvent, plase store in 4°C for 6 month or -20°C for 1 year.

General Pretreatment for Tissue Sample

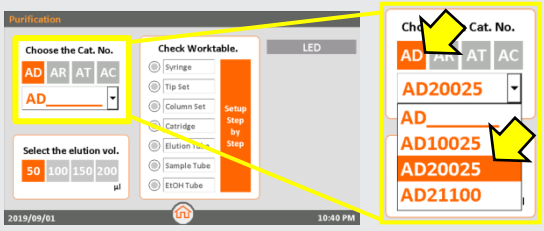
1. Weight up to 25 mg of animal tissue or no more than 10 mg spleen tissue.
2. Homogenize tissue samples by one of following methods.
   A. Homogenize tissue sample with liquid nitrogen.
   Grind tissue sample thoroughly with liquid nitrogen by beads beater, tissue homogenizer or mortar & pestle. Proceed with step 3.
   B. Homogenize tissue sample with buffer.
   Place tissue sample into 2 ml micro-centrifuge tube (not provided) containing 100 µl PBS.
   Homogenize samples with homogenizer thoroughly. Add 150 µl Buffer DTL and proceed with step 4.
3. Add 250 µl Buffer DTL, vortex vigorously for 30 sec.
4. Add 25 µl Proteinase K, vortex for 15 sec then incubate at 60 °C for 15 min or until all tissue lysed properly.
5. Centrifuge at 11,000 x g for 3 min.
6. Transfer 250µl of supernatant into the Sample Tube.

Step by Step to start a AD20025 Purification Run

1. On the **Start** screen: Click “ENTER” button to enter the HOME screen.
2. On the **HOME** screen: Click “Purification” icon to start a purification run.

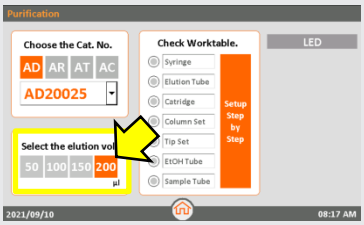


3. Please choose **Cat. No.**



Please click “**AD**”
Then choose “**AD20025**”
For **iCatcher® Tissue DNA 250 Kit**

4. Choose **Elution Vol.**



We suggest to elute in **50-200µl** for iCatcher® Tissue DNA 250 Kit.

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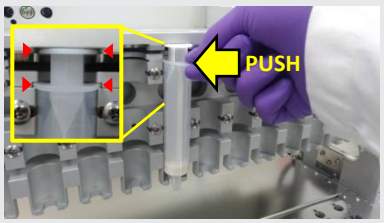
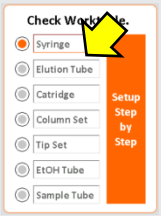
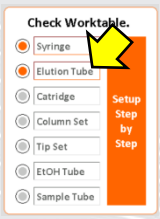
5. Insert the **Syringe** into the groove of Syringe Seat and push it to the end.



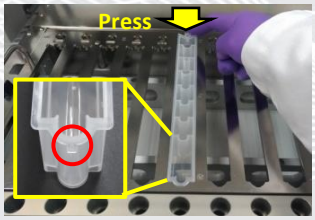
Check the **Syringe**.

6. Labeling , then open the lid and place the **Elution Tube** on the Elution Tube position.

Check the **Elution Tube**.

7. Insert the front protrude part of **Cartridge** into Cartridge position and press the bottom down. Then remove the foil.



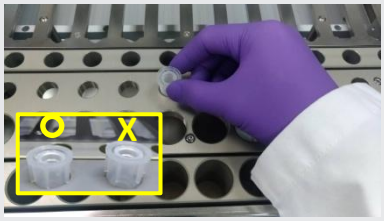
Check the **Cartridge**.

Important! Please must **remove the foil** before running a protocol.

8. Insert **Column Set** into Column Set position and press into bottom.

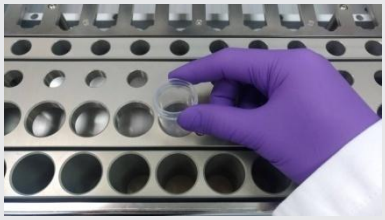

Check the **Column Set**.

9. Place **Tip Set** on Tip Set position and press into bottom.

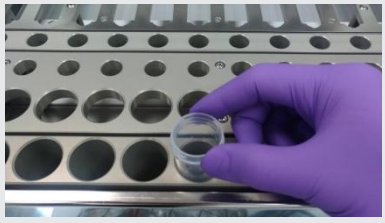
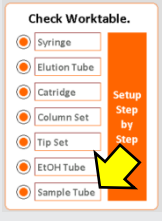
Check the **Tip Set**.

10. Add **10 ml** 100% EtOH into **EtOH Tube** and place on the EtOH Tube position.


Add **10ml** 100% EtOH for AD20025
Check the **EtOH Tube**.

11. Prepare sample and load the Sample Tube into the Sample Tube position.

Check the **sample Tube**.
Click "**Go**" to start purification.

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iCatcher® Tissue DNA 250 Kit - Appendix I

Pretreatment of Other Samples

- **Dried blood spot**
  1. Place 1 piece of 5mm diameter or 3 pieces of 3mm diameter dried blood spot into a 2 ml micro-centrifuge tube.
  2. Add 250 µl Buffer DTL into tube and vortex for 30 sec, brief spin down.
  3. Incubate at 85°C for 10 min, brief spin down.
  4. Add 25 µl Proteinase K, vortex for 30 sec, brief spin down then incubate at 60 °C for 60 min.
  5. Transfer 250 µl supernatant to a iCatcher Sample Tube. Avoid aspirating any blood spot or debris. (If the lysate volume is less than 250 µl ,compensate to 250 µl by Buffer DTL.)
  7. Add 1 µg Carrier RNA (not provided) into the lysate. (Carrier RNA is not included in this kit. Please contact your supplier to buy it to get best recovery of gDNA from dried blood spot sample.)
  8. Load the Sample Tube into the Sample Tube position of iCatcher.