iCatcher® FFPE Tissue DNA Kit

Cat. No.	Rxn
AD21100-36	36

Kit Content

	36rxn	
Syringe	36	set
Elution Tube	36	pcs
AD21100 Cartridge	36	set
AD21100 Column Set	36	set
AD21100 Tip Set	36	set
EtOH Tube	36	pcs
Sample Tube	36	pcs
Buffer DWX	25	ml
Buffer DFTL	45	ml
Proteinase K	70	mg
PK Solvent	4	ml

Kit Storage

Upon arrival,

1. Please store **AD21100 Column Set** at **4℃** for long term storage.
2. Please store **Proteinase K** at **-20 ℃** for long term storage.

Buffer, solvent and consumables, please store at 15-25 ℃.

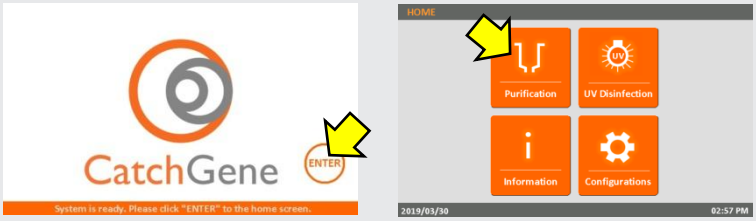
If a precipitate has formed in Buffer DFTL, dissolve by incubating at 60°C for 10 min.

Kit Preparation

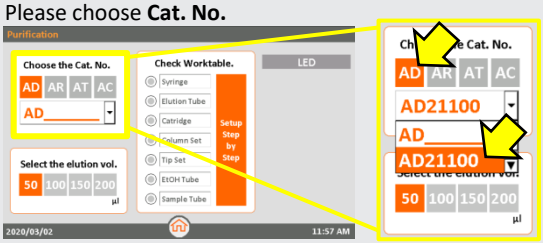
1. **Prepare 20 mg/ml Proteinase K**
   For 70 mg Proteinase K, please add 3.5 ml PK Solvent into tube and vortex thoroughly for dissolving.
   After dissolving into solvent, plase store in 4°C for 6 month or -20°C for 1 year.

Step by Step to start a AD21100 Purification Run

1. Prepare sample as below,
   a. Place 5-10 µm sections (up to 10 sections) in a 2 ml tube. Add 0.6 ml DWX buffer, vortex vigorously for 10 sec. Spin down to collect sample.
      (if the DNA integrity is important for following application, please mix by flicking for 10 times)
   b. Incubate at 90℃ for 20 min. After incubation, allow to cool at room temperature (15-25℃).
   c. Add 1 ml DFTL Buffer and mix thoroughly by vortex 10 sec.
      (if the DNA integrity is important for following application, please mix by flicking for 10 times)
   d. Centrifuge at 11,000 x g for 1 min. (After centrifugation, sample will separate into two layers. Upper layer is in yellow color which mainly Buffer DWX. Lower layer is colorless which mainly Buffer DFTL and tissue debris.)
   e. Add 80 µl PK (20 mg/ml) to the lower clear phase. Mix gently by pipetting.
   f. Incubate at 60℃ for 1 hour (or overnight until the tissue has completely lysed).
   g. Incubate at 90℃ for 1 hour. (Please avoid leaving samples in the incubator and heating it from 60℃ to 90℃. Please place take samples out from incubator and place them back while the incubator reach 90℃. Otherwise it will affect the result of de-cross-linking.)
   h. Centrifuge at 11,000 x g for 1 min.
   i. Transfer 1000 µl lower clear phase lysate (avoid to aspirate any debris) into a Sample Tube.
2. On the **Start** screen: Click “ENTER” button to enter the HOME screen.
3. On the **HOME** screen: Click “Purification” icon to start a purification run.

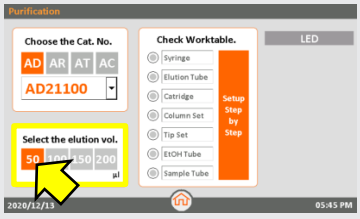


4. Please choose **Cat. No.**



Please click “**AD**”
Then choose “**AD21100**”
For **iCatcher® FFPE Tissue DNA Kit**

5. Choose **Elution Vol.**



We suggest to elute in **50 µl** for FFPE Tissue DNA.

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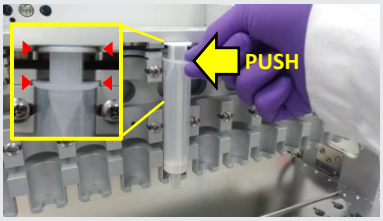
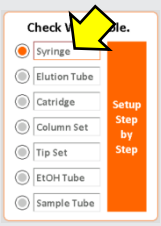
6. Insert the **Syringe** into the groove of Syringe Seat and push it to the end.

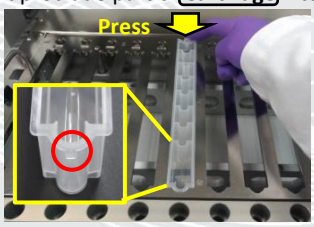


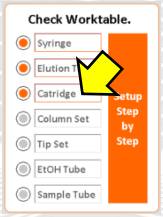
Check the **Syringe**.

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


Check the **Elution Tube**.

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





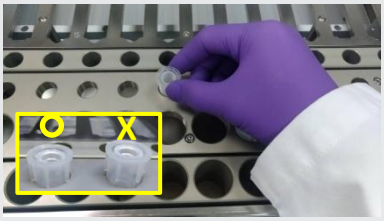
Check the **Cartridge**.

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

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

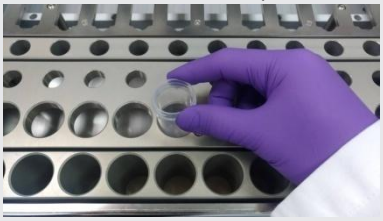
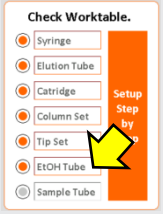

Check the **Column Set**.

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

Check the **Tip Set**.

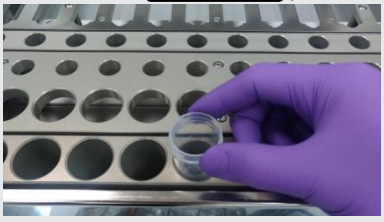
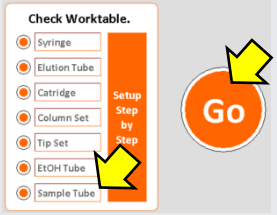
11. Add **15 ml** 100% EtOH into **EtOH Tube** and place on the EtOH Tube position.

Check the **EtOH Tube**.

Add **15 ml** 100% EtOH into **EtOH Tube**

12. Load the Sample Tube into the Sample Tube position of iCatcher.

Check the **Sample Tube**.

Click "**Go**" to start purification.

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