

Kit Content

	36rxn	
Syringe	72	set
Elution Tube	72	pcs
AT21DNA Cartridge	36	set
AT21RNA Cartridge	36	set
AT21DNA Column Set	36	set
AT21RNA Column Set	36	set
Tip Set	72	set
EtOH Tube	72	pcs
Sample Tube	72	pcs
Buffer DWX	80	ml
Buffer TFTL	80	ml
Proteinase K	160	mg
Proteinase K Solvent	20	ml

Kit Storage

Upon arrival,

1. Please store **AT21DNA Column Set** and **AT21RNA Column Set** at **4°C** for long term storage.
2. Please store **Proteinase K** at **-20°C** for long term storage. Buffer, solvent and consumables, please store at 15-25°C. If a precipitate has formed in Buffer TFTL, dissolve by incubating at 60°C for 10-20 min.

Kit Preparation

Prepare 10 mg/ml Proteinase K

For 160 mg Proteinase K, please add 16 ml Proteinase K Solvent into tube and vortex thoroughly for dissolving. After dissolving into solvent, please store in 4°C for 6 month or -20°C for 1 year.

Step by Step to start a AT21100 Purification Run

Dewaxing

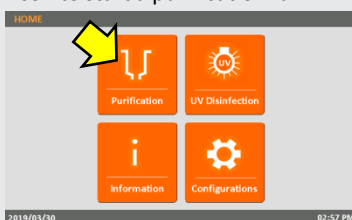
1. Place 5-10 µm sections (up to 4 sections) in a Sample Tube. Add 2 ml DWX buffer, vortex vigorously for 10 sec then brief spin down.
2. Incubate at 60°C for 20 min.

RNA Pretreatment

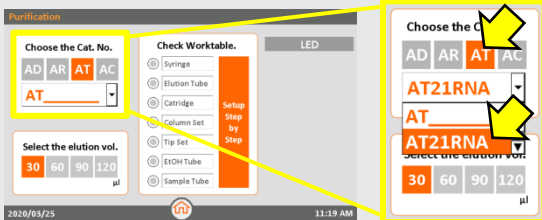
1. Add 2 ml TFTL Buffer and mix thoroughly by vortex 10 sec. Brief spin down. (After centrifugation, sample will separate into two layers. Upper layer is in yellow color which mainly Buffer DWX. Lower layer is colorless which mainly Buffer TFTL and tissue debris.)
2. Add 400 µl Proteinase K (10 mg/ml) to the lower clear phase. Mix gently by pipetting.
3. Centrifuge at 3,000 x g for 10 min to pellet tissue debris. Avoid to disturb the pellet while placing it into the system.
4. Proceed to **RNA Set up** in below.

RNA Set up

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.

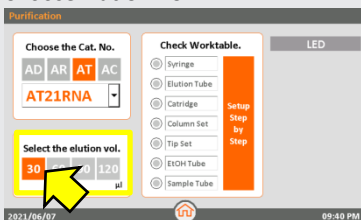


3. Please choose **Cat. No.**



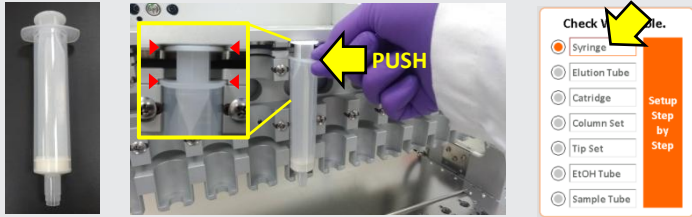
Please click "**AT**"
Then choose "**AT21RNA**"
For running **FFPE RNA** purification part of iCatcher® FFPE Tissue DNA/RNA Kit

4. Choose **Elution Vol.**



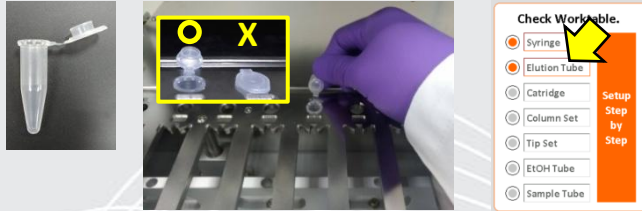
We suggest to elute in **30 µl** for AT21RNA **FFPE RNA** Purification.

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



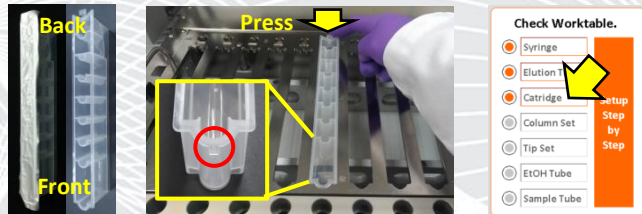
Check the **Syringe**.

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.



Please use "**AT21RNA Cartridge**"
Check the **Cartridge**.

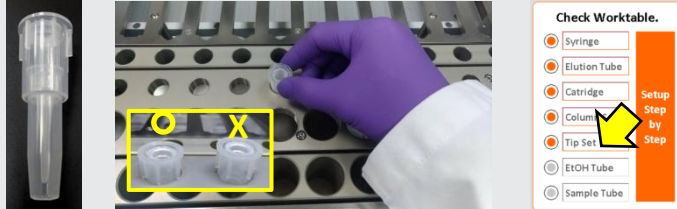
Important! Please must remove the foil before running a protocol.

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



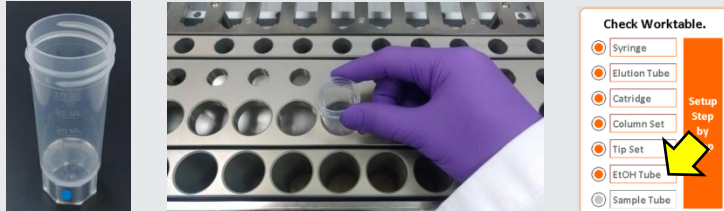
Please use "**AT21RNA Column Set**"
Check the **Column Set**.

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



Check the **Tip Set**.

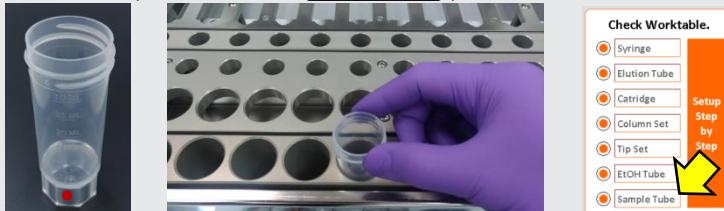
10. Add **18 ml** 100% EtOH into **EtOH Tube** and place on the EtOH Tube position.



Check the **EtOH Tube**.

Add **18 ml** 100% EtOH into **EtOH Tube**

11. Load the Sample Tube into the **Sample Tube** position of iCatcher.



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

12. When the FFPE RNA protocol finished, please take out the elution tube and store at -80°C .

13. Keep the lysate inside of Sample Tube and use it for following **FFPE DNA purification**.

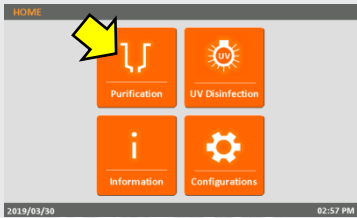
FOR RESEARCH USE ONLY

DNA Pretreatment

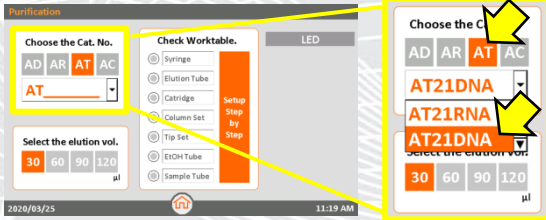
1. Take the Sample Tube out from FFPE RNA run.
2. Centrifuge at 3,000 x g for 10 min.
3. Transfer 1000 µl lower clear phase lysate (avoid to aspirate any debris) to a new Sample Tube.
4. Proceed to **DNA Set up** in below.

DNA Set up

1. On the **HOME** screen: Click “Purification” icon to start a purification run.

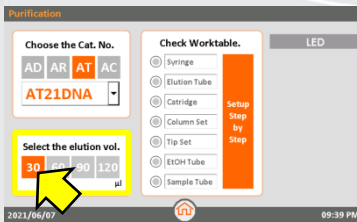


3. Please choose **Cat. No.**



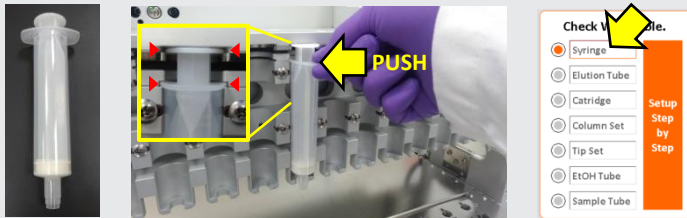
Please click “**AT**”
Then choose “**AT21DNA**”
For running **FFPE DNA** purification part of
iCatcher® FFPE Tissue DNA/RNA Kit

4. Choose **Elution Vol.**



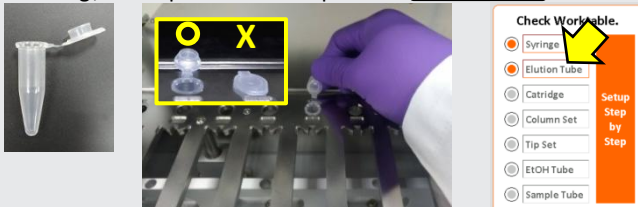
We suggest to elute in **30 µl** for AT21DNA FFPE DNA Purification.

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.



Please use “**AT21DNA Cartridge**”
Check the **Cartridge**.

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

FOR RESEARCH USE ONLY

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



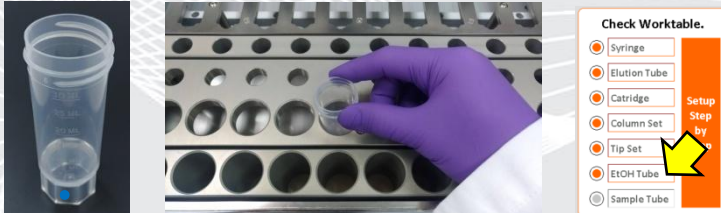
Please use **“AT21DNA Column Set”**
Check the **Column Set**.

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



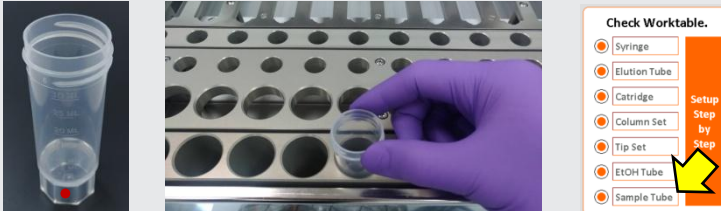
Check the **Tip Set**.

10. 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**

11. Load the Sample Tube into the **Sample Tube** position of iCatcher.



Check the **Sample Tube**.
Click **“Go”** to start purification.