iCatcher® Tissue miRNA Kit

Cat. No.	Rxn
AR22100-36	36

Kit Content

	36rxn	
Syringe	36	set
Elution Tube	36	pcs
AR22100 Cartridge	36	set
AR22100 Column Set	36	set
AR22100 Tip Set	36	set
EtOH Tube	36	pcs
Sample Tube	36	pcs
Buffer RTL	50	ml
Buffer RCL1	12	ml
Buffer RCL2	4	ml

Kit Storage

Upon arrival,

1. Please store **AR22100 Column Set** at **4℃** for long term storage.
2. Buffer, solvent and consumables, please store at 15-25 °C.

Sample Pretreatment

Weight up to 50 mg of tissue sample or no more than 20 mg spleen tissue.

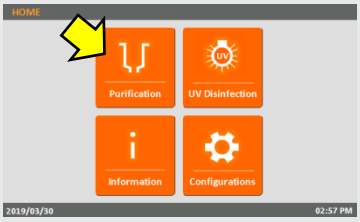
- Grind tissue sample thoroughly with liquid nitrogen by beads beater, tissue homogenizer or mortar & pestle.
- Please must grind tissue into fine powders, insufficient homogenization will lead to improper lysis and decrease the yield. Besides, avoid any thaw out during homogenization to keep the integrity of RNA.

Keep powders of sample into pre chilled 2ml tube then store in liquid nitrogen or 80℃ for further purification.

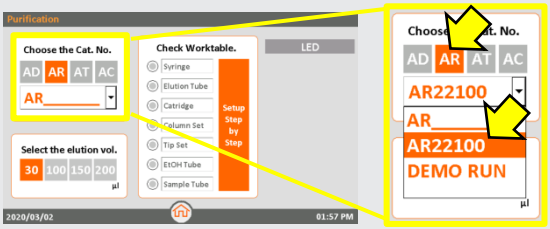
Step by Step to start a AR22100 Purification Run

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.

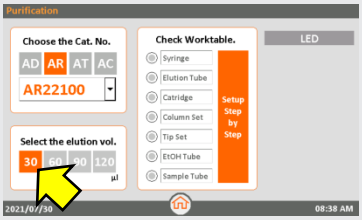


3. Please choose **Cat. No.**



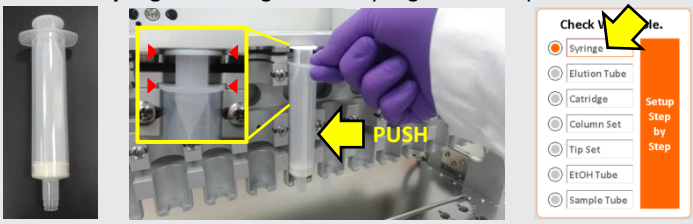
Please click "**AC**"
Then choose "**AR22100**"
For **iCatcher® Tissue miRNA Kit**

4. Choose **Elution Vol.**



We suggest to choose **30 µl** to get higher concentration of miRNA.

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



Check the **Syringe**.

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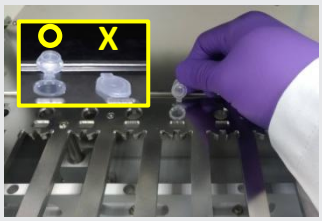
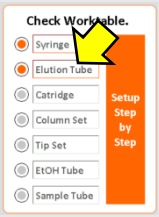
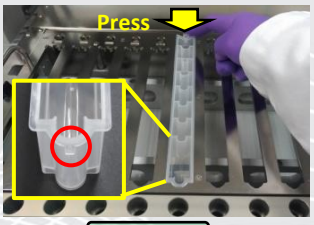
6. Open the lid and place the **Elution Tube** on the Elution Tube position.

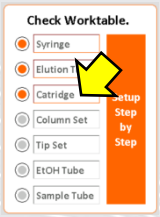





Check the **Elution Tube**.

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





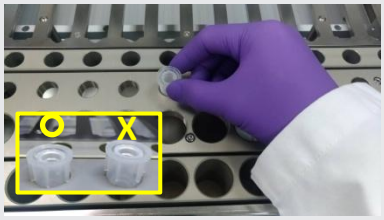
Check the **Cartridge**.

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

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

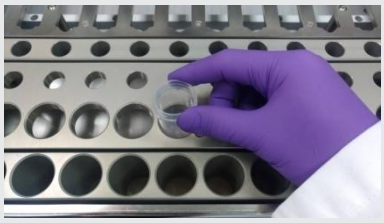
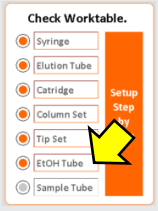

Check the **Column Set**.

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

Check the **Tip Set**.

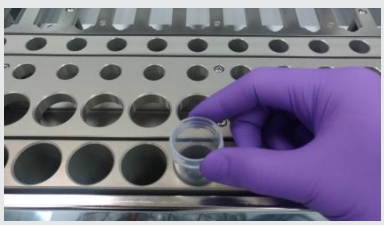
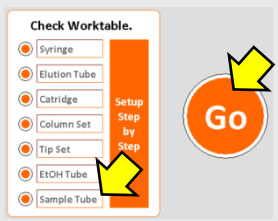
10. Add **19 ml** 100% EtOH into **EtOH Tube** and place on the EtOH Tube position.

Check the **EtOH Tube**.

Add **19 ml** 100% EtOH into **EtOH Tube**

11. Prepare sample as below,
    A. Add 1200 µl Buffer RTL (add 1% volume of β-mercaptoethanol freshly) into liquid nitrogen homogenized sample powder, vortex vigorously for 30 sec, brief spin down then incubate at 25°C (room temperature) for 5 min.
    B. Centrifuge at 11,000 x g for 3 min. Transfer 1000 µl of clear supernatant to a new 1.5 ml micro-centrifuge tube.
    C. Add 300 µl Buffer RCL1. Pulse-vortexing for 10 sec , then incubate at 25°C (room temperature) for 3 min. Brief spin down.
    D. Add 100 µl Buffer RCL2, pulse-vortexing for 10 sec, brief spin down then incubate at 25°C (room temperature) for 1 min.
    E. Centrifuge at 11,000 x g for 3 min.
    F. Transfer 1000 µl clear supernatant to the Sample Tube of iCatcher kit. Add 1400 µl Isopropanol.
    G. Load the Sample Tube into the Sample Tube position of iCatcher (no need to mix or pipette it).

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

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