# iCatcher® Tissue RNA 1000 Kit

| Cat. No. | Rxn |
|---|---|
| AR20100-36 | 36 |

## Kit Content

| | 36rxn | |
|---|---|---|
| **Syringe** | 36 | set |
| **Elution Tube** | 36 | pcs |
| **AR20100 Cartridge** | 36 | set |
| **AR20100 Column Set** | 36 | set |
| **AR20100 Tip Set** | 36 | set |
| **EtOH Tube** | 36 | pcs |
| **Sample Tube** | 36 | pcs |
| **Buffer RTL** | 50 | ml |

## Kit Storage

Upon arrival,

1. Please store **AR20100 Column Set** at **4℃** for long term storage.

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

If a precipitate has formed in Buffer RTL, dissolve by incubating at 60°C for 10-20 min.

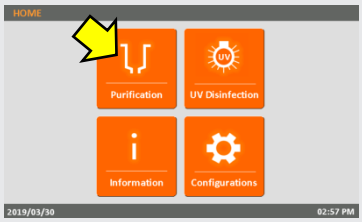
## Sample Pretreatment

**For tissue RNA extraction**

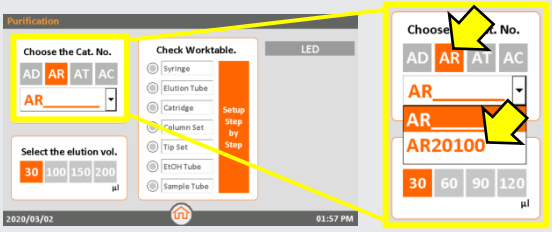
1. Weight up to 50 mg of animal tissue or no more than 20 mg spleen tissue.
   a. Homogenize tissue sample with liquid nitrogen.
   b. Grind tissue sample thoroughly with liquid nitrogen by beads beater, tissue homogenizer or mortar & pestle. Proceed with step 2.
2. Add 1200 µl Buffer RTL (add 1% β-mercaptoethanol freshly), vortex vigorously for 30 sec, brief spin down then incubate at 25°C (room temperature) for 5 min.
3. Centrifuge at 11,000 x g for 3 min. Transfer 1000 µl of clear supernatant to a Sample Tube.
4. Load the Sample Tube into the Sample Tube position of iCatcher.

## Step by Step to start a AR20100 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.

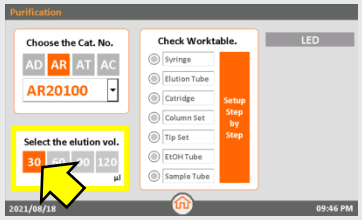




3. Please choose **Cat. No.**



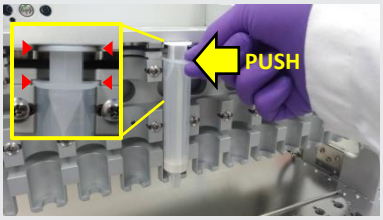

Please click "**AR**"
Then choose "**AR20100**"
For **iCatcher® Tissue RNA 1000 Kit**

4. Choose **Elution Vol.**




We suggest to elute in **30 µl** for Tissue RNA.

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





Check the **Syringe**.

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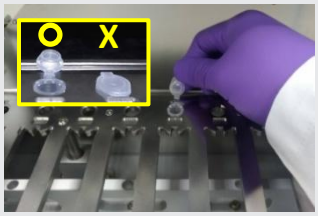
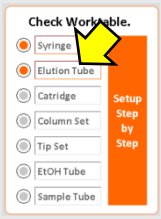
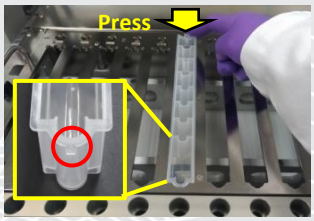
6. Labeling , then open the lid and place the **Elution Tube** on the Elution Tube position.

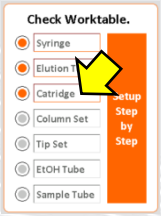






Check the **Elution Tube**.

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

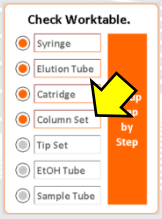





Check the **Cartridge**.

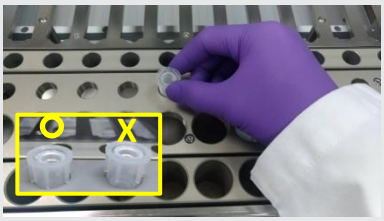
Important! Please must **remove the foil** before running a protocol.

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

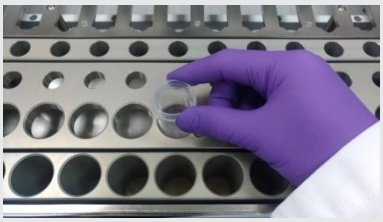
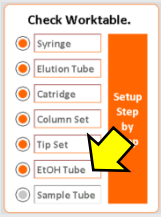

Check the **Column Set**.

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


Check the **Tip Set**.

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

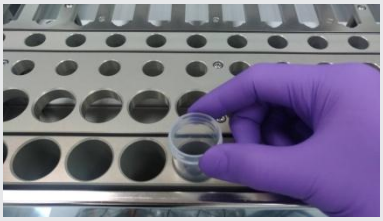
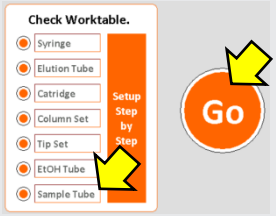

Check the **EtOH Tube**.

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

11. Prepare sample as below,

**For cell RNA extraction** (cell number recommended no more than 1 x $10^6$)

a. Centrifuge at 400 x g for 5 min to form a cell pellet and remove the supernatant carefully.
b. Add 1100 µl Buffer RTL (add 1% β-mercaptoethanol freshly), vortex vigorously for 30 sec, brief spin down then incubate at 25°C (room temperature) for 5 min.
c. Centrifuge at 11,000 x g for 3 min. Transfer 1000 µl of clear supernatant to the Sample Tube.
d. Load the Sample Tube into the Sample Tube position of iCatcher.


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

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