iCatcher® Blood RNA 1000 Kit

Cat. No.	Rxn
AR10100-36	36

Kit Content

	36rxn	
Syringe	36	set
Elution Tube	36	pcs
AR10100 Cartridge	36	set
AR10100 Column Set	36	set
AR10100 Tip Set	36	set
EtOH Tube	36	pcs
Sample Tube	36	pcs
Buffer RC	280	ml
Buffer RL	40	ml

Kit Storage

Upon arrival,

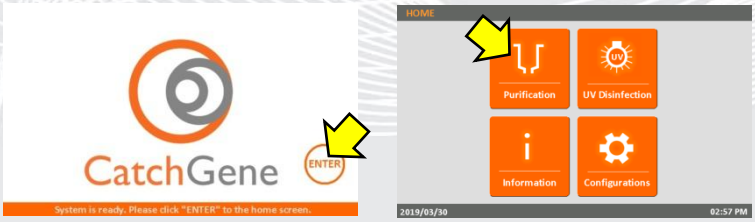
1. Please store **AR10100 Column Set** at **4℃** for long term storage.

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

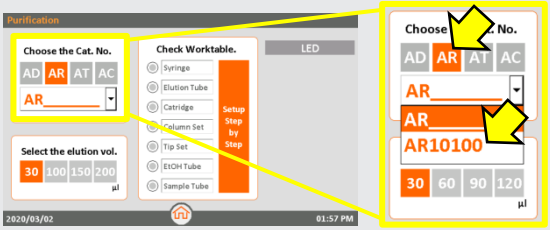
If a precipitate has formed in Buffer RL, dissolve by incubating at 60℃ for 10 min.

Step by Step to start a AR10100 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.

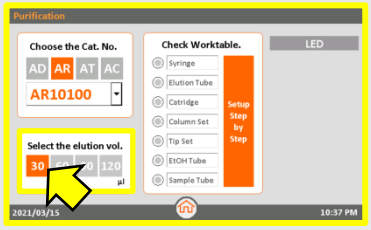


3. Please choose **Cat. No.**



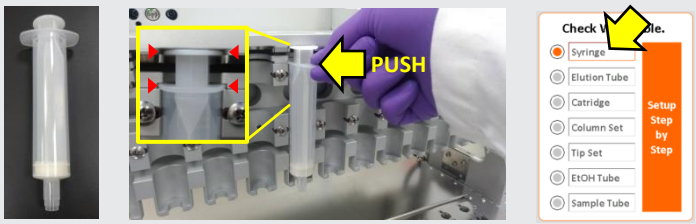
Please click "**AR**"
Then choose "**AR10100**"
For **iCatcher® Blood RNA 1000 Kit**

4. Choose **Elution Vol.**



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

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



Check the **Syringe**.

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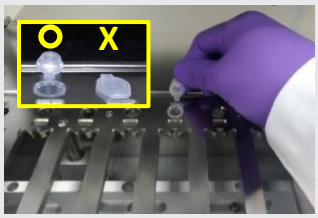
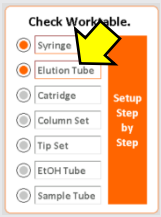
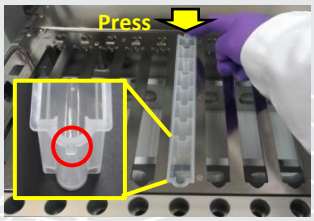
6. Labeling , then open the lid and place the **Elution Tube** on the Elution Tube position.



Check the **Elution Tube**.

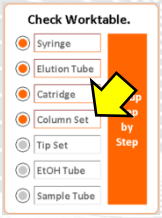
7. Insert the front protrude part of **Cartridge** into Cartridge position and press the bottom down. Then remove the foil.



Check the **Cartridge**.

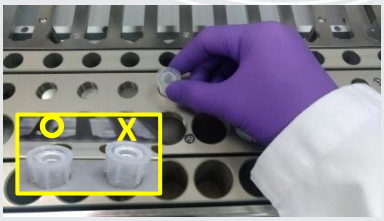
Important! Please must **remove the foil** before running a protocol.

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

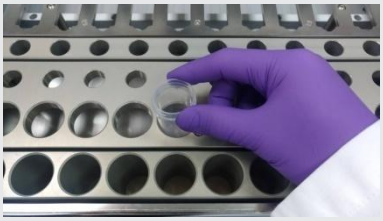
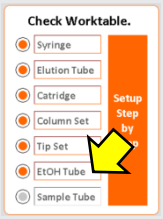
Check the **Column Set**.

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.

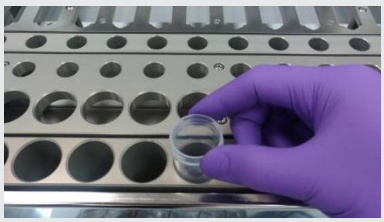
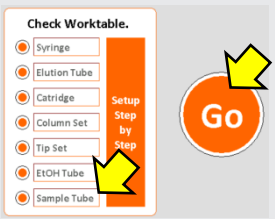
Check the **EtOH Tube**.

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

11. Prepare sample as below,

1. Pipette 500 µl fresh whole blood sample into 15 ml tube and add 5 ml Buffer RC, mix well by inversion.
2. Incubate on ice for 15 min. (Mix 2 times by inversion during incubation.)
3. Centrifuge at 400 x g for 10 min at 4℃ to form a cell pellet and discard the supernatant completely.
4. Add 2 ml of RC Buffer to re-suspend the cell pellet and mix well by inversion.
5. Centrifuge at 400 x g for 10 min at 4℃ to form a cell pellet and discard the supernatant completely.
6. Add 1000 µl Buffer RL (add 1% β-mercaptoethanol freshly), vortex vigorously for 30 sec, brief spin down then incubate at 25°C (room temperature) for 5 min.
7. Transfer all 1000 µl lysate into the Sample 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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