iCatcher® Circulating cfRNA 2000 Kit

Cat. No.	Rxn
AC20200-36	36

Kit Content

	36rxn	
Syringe	36	set
Elution Tube	36	pcs
AC20200 Cartridge	36	set
AC20200 Column Set	36	set
AC20200 Tip Set	36	set
EtOH Tube	36	pcs
Sample Tube	36	pcs
Buffer RCL1	24	ml
Buffer RCL2	8	ml

Kit Storage

Upon arrival,

1. Please store **AC20200 Column Set** at **4℃** for long term storage.
2. Buffer, solvent and consumables, please store at 15-25 °C.

Sample Pretreatment

Do not use the plasma from the "Streck® Cell-free DNA Blood Collection Tube (BCT)"! The "Streck® Cell-free DNA BCT" is incompatible with this kit, which may cause declined in yield and too many inhibitors in eluate.

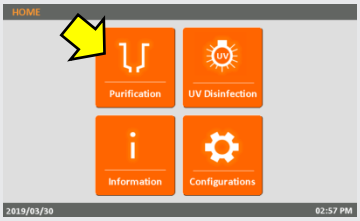
1. Centrifuge whole blood or body fluid sample at 1,600 - 3,000 x g for 10 minute at room temperature.
2. Transfer upper layer to 1.5/2 ml micro-centrifuge tubes (not provided). Please avoid aspirating any cell debris or WBC (for whole blood sample) and intermediate layer, otherwise might co-extract total RNA form intact cell.
3. Centrifuge at 11,000 – 16,000 x g for 10 min and transfer the supernatant for following extraction.

*Please keep samples into -20°C or -70°C if extraction won't be performed immediately after pretreatment.

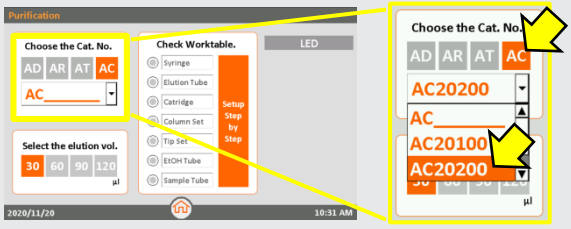
Step by Step to start a AC20200 Purification Run

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.

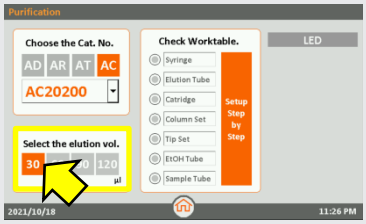


3. Please choose **Cat. No.**



Please click "**AC**"
Then choose "**AC20200**"
For **iCatcher® Circulating cfRNA 2000 Kit**

4. Choose **Elution Vol.**



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

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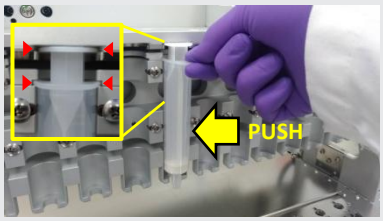
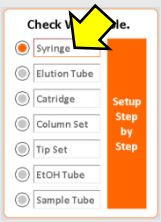
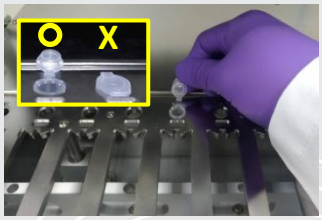
5. Insert the **Syringe** into the groove of Syringe Seat and push it to the end.

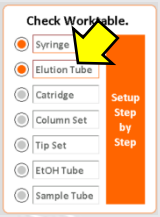





Check the **Syringe**.

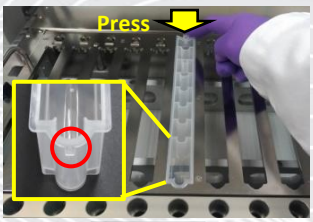
6. Open the lid and place the **Elution Tube** on the Elution Tube position.

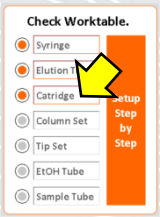





Check the **Elution Tube**.

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





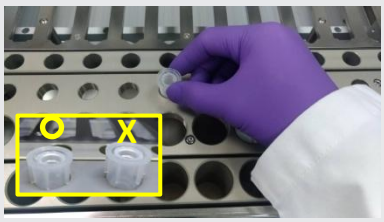
Check the **Cartridge**.

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

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

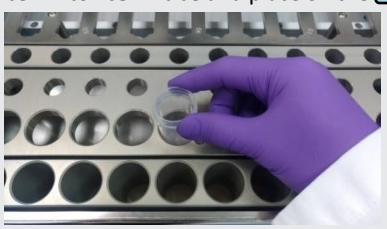

Check the **Column Set**.

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

Check the **Tip Set**.

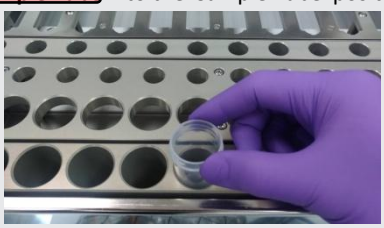
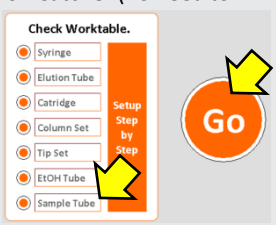
10. Add **16 ml** 100% EtOH into **EtOH Tube** and place on the EtOH Tube position.


Check the **EtOH Tube**.

Add **16 ml** 100% EtOH into **EtOH Tube**

11. Prepare sample as below,
    A. Pipette 2000 µl serum/plasma sample into 15 ml centrifuge tube and add 600 µl Buffer RCL1. Pulse-vortexing for 10 sec , then incubate at 25°C (room temperature) for 3 min. Brief spin down.
    B. Add 200 µl Buffer RCL2, pulse-vortexing for 10 sec, brief spin down then incubate at 25°C (room temperature) for 1 min.
    C. Centrifuge at 11,000 x g for 3 min.
    D. Transfer 2000 µl clear supernatant to the Sample Tube of iCatcher kit. Add 2800 µl Isopropanol, then 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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