iCatcher® VB DNA/RNA 1000 Kit

Cat. No.	Rxn
AT10100-36	36

Kit Content

	36rxn	
Syringe	36	set
Elution Tube	36	pcs
AT10100 Cartridge	36	set
AT10100 Column Set	36	set
AT10100 Tip Set	36	set
EtOH Tube	36	pcs
Sample Tube	36	pcs
Carrier RNA	200	µg
Proteinase K	11x3	mg
Buffer AE	1.5x2	ml
Buffer TVL	40	ml

Kit Storage

Upon arrival,

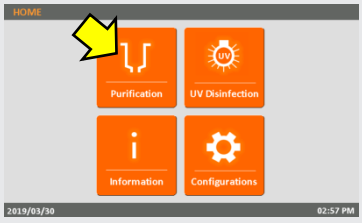
1. **Carrier RNA** and **Proteinase K** should be stored at **-20°C upon arrival** for long term storage.
2. Cartridge and consumables, please store at 15-25 °C.

Kit Preparation

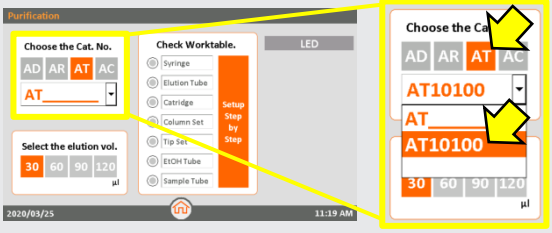
1. **Prepare 20 mg/ml Proteinase K**
   For 11 mg Proteinase K, please add 0.55 ml Buffer AE into tube and vortex thoroughly for dissolving
   After dissolving into solvent, please store in 4°C for 6 month or -20°C for 1 year.
2. **Prepare 1 µg/µl Carrier RNA**
   For 200 µg Carrier RNA, please add 200 µl Buffer AE into the bottom of tube and mix thoroughly for dissolving.
   After dissolving, please store at -20°C. Do not freeze-thaw more than three times.

Step by Step to start a AT10100 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.

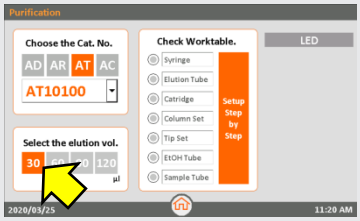


3. Please choose **Cat. No.**



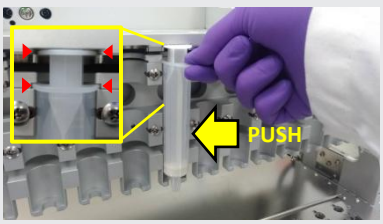
Please click “**AT**”
Then choose “**AT10100**”
For **iCatcher® VB DNA/RNA 1000 Kit**

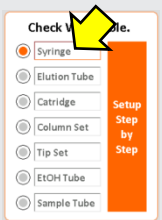
4. Choose **Elution Vol.**



We suggest to choose **30µl or 60µl** to get higher concentration of viral DNA/RNA.

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





Check the **Syringe**.

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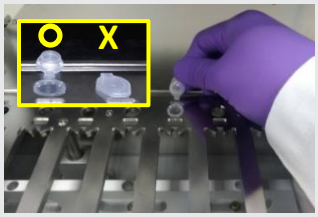
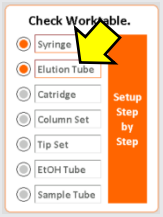
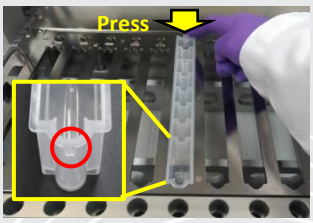
6. Labeling , then open the lid and place the **Elution Tube** on the Elution Tube position.



Check the **Elution Tube**.

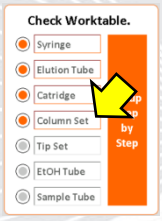
7. Insert the front protrude part of **Cartridge** into Cartridge position and press the bottom down. Then remove the foil.



Check the **Cartridge**.

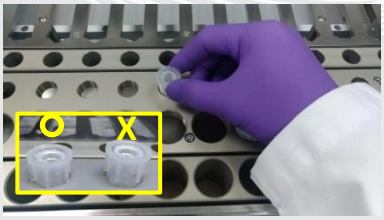
Important! Please must **remove the foil** before running a protocol.

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

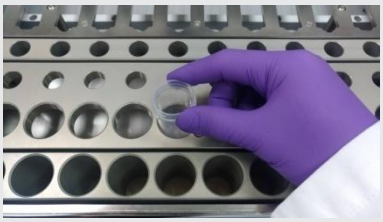
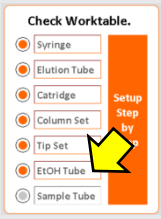
Check the **Column Set**.

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

Check the **Tip Set**.

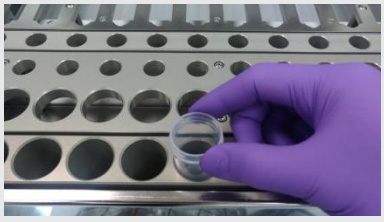
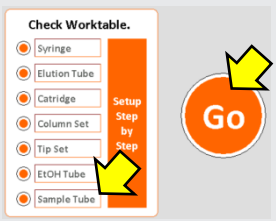
10. Add **10 ml** 100% EtOH into **EtOH Tube** and place on the EtOH Tube position.

Check the **EtOH Tube**.

Add **10 ml** 100% EtOH into **EtOH Tube**

11. Prepare sample as below,
    a. Add 40 µl Proteinase K (20 mg/ml) into the bottom of Sample Tube.
    b. Add 5 µl Carrier RNA (1 µg/µl) into the bottom of Sample Tube.
    c. Transfer 1000 µl of serum, plasma or liquidized sample into Sample Tube.
       - For nasopharyngeal swab with transport medium, please close the cap, vortex medium with swab for 15 sec. Centrifuge and transfer 1000 µl clear supernatant . (Avoid to aspirate any debris or mucus)
    d. Pipette to mix sample with Proteinase K and Carrier RNA.
       Important! Do not add Proteinase K directly into Buffer TVL. Mix Proteinase K with sample before adding Buffer TVL.
    e. Add 1000 µl of Buffer TVL into the sample tube, close the cap and vortex vigorously for 15 sec.
    f. Incubate at 56 °C for 15 min. (For RNA virus, incubate at 25 °C for 10 min can be alternative for lysis.)
    g. Centrifuge at 1000 x g for 1 min to spin down all samples into bottom of the Sample Tube.
    h. Open the lid then load the **Sample Tube** into the Sample Tube position of iCatcher.

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

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