iCatcher® Stool DNA 250 Kit

Cat. No.	Rxn
AD22025-36	36

Kit Content

	36rxn	
Syringe	36	set
Elution Tube	36	pcs
AD22025 Cartridge	36	set
AD22025 Column Set	36	set
AD22025 Tip Set	36	set
EtOH Tube	36	pcs
Sample Tube	36	pcs
Beads Tube	36	set
Buffer ST1	36	ml
Buffer ST2	12	ml
Proteinase K	11	mg
PK Solvent	1.5	ml

Kit Storage

Upon arrival,

1. Please store **Proteinase K** at **-20 ℃** for long term storage.

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

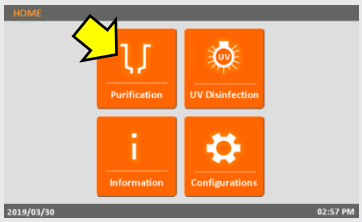
If a precipitate has formed in Buffer ST1, dissolve by incubating at 60℃ for 10 min.

Kit Preparation

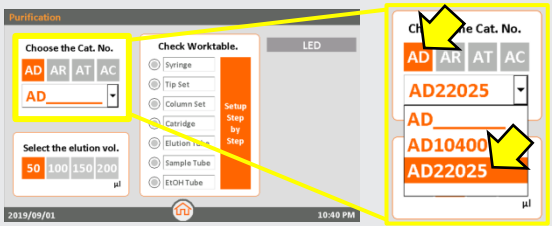
1. **Prepare 10 mg/ml Proteinase K**
   For 11 mg Proteinase K, please add 1100 µl PK Solvent into tube and vortex thoroughly for dissolving.
   After dissolving into solvent, plase store in 4°C for 6 month or -20°C for 1 year.

Step by Step to start a AD22025 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.

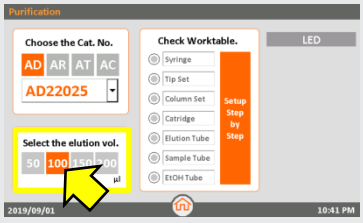


3. Please choose **Cat. No.**



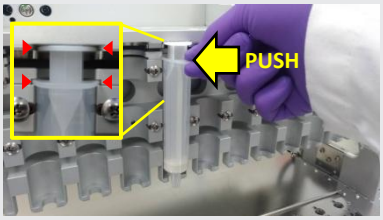
Please click “**AD**”
Then choose “**AD22025**”
For **iCatcher® Stool DNA Kit**

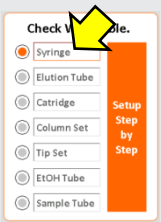
4. Choose **Elution Vol.**



We suggest to elute in **100µl** for stool DNA.

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





Check the **Syringe**.

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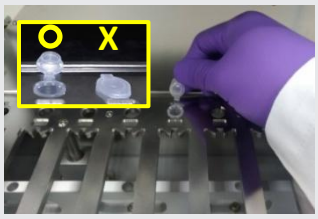
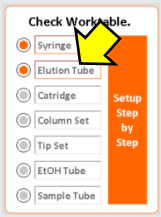
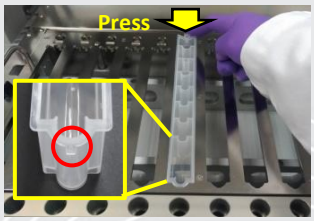
6. Labeling , then open the lid and place the **Elution Tube** on the Elution Tube position.



Check the **Elution Tube**.

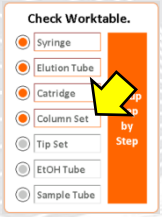
7. Insert the front protrude part of **Cartridge** into Cartridge position and press the bottom down. Then remove the foil.



Check the **Cartridge**.

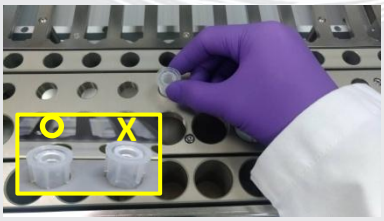
Important! Please must **remove the foil** before running a protocol.

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

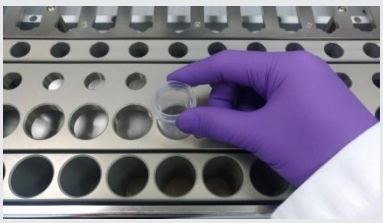
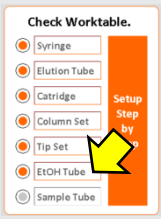
Check the **Column Set**.

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

Check the **Tip Set**.

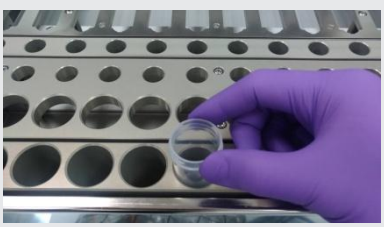
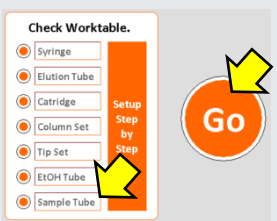
10. Add **15 ml** 100% EtOH into **EtOH Tube** and place on the EtOH Tube position.

Check the **EtOH Tube**.

Add **15 ml** 100% EtOH into **EtOH Tube**

11. Prepare sample as below,
    a. Weigh up to 100 mg stool into the Beads Tube (with beads inside).
    b. Add 900 µl Buffer ST1 to each Beads Tube. Vortex continuously for 1 min or until the stool sample is thoroughly homogenized.
    c. Incubate at 95°C for 15 min, then cool down to room temperature.
    d. Add 300 µl Buffer ST2, vortex for 15 s and incubate on ice for 5 min.
    e. Centrifuge sample at 11,000 x g for 2 min to pellet stool debris.(If the sample can't be separated after 11000 x g for 2 min, we suggest to centrifuge additional 5 min at 11,000 x g to pellet stool debris.)
    f. Transfer 250 µl of the supernatant into the 30 ml Sample Tube (Avoid to aspirate any gel like precipitate or stool debris.)
    g. Add 25 µl Proteinase K. (no need to mix or pipette it)
    h. (Optional) Add 4 µl of 100 mg/ml RNase A (not included) (no need to mix or pipette it)
    i. 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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