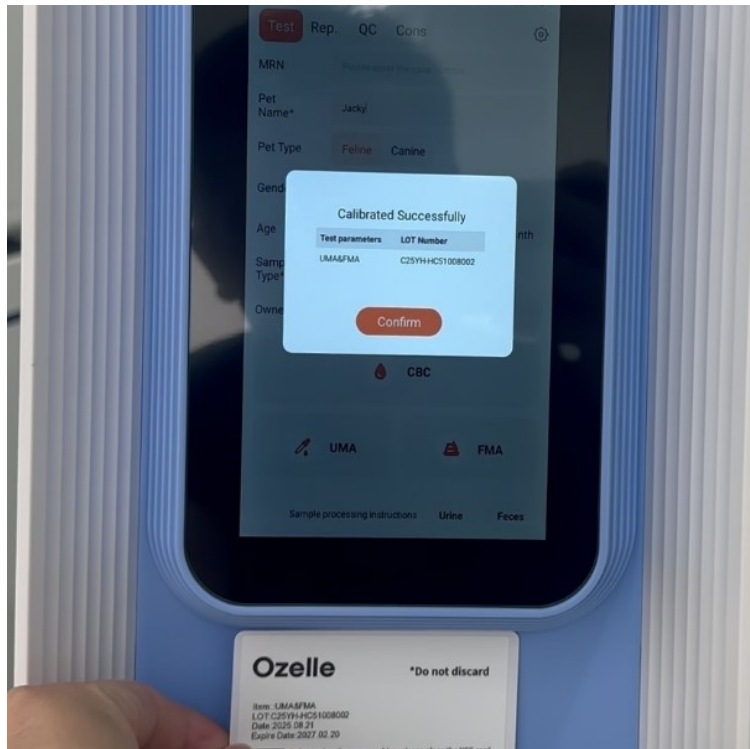
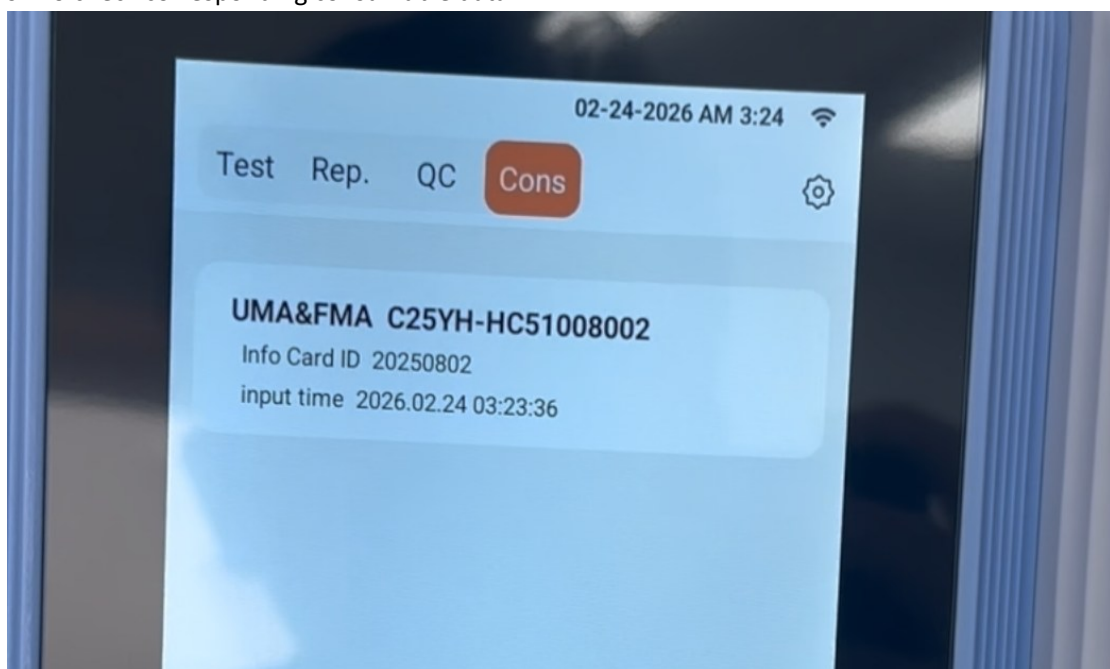


EHVT-75 Urine Test Procedure

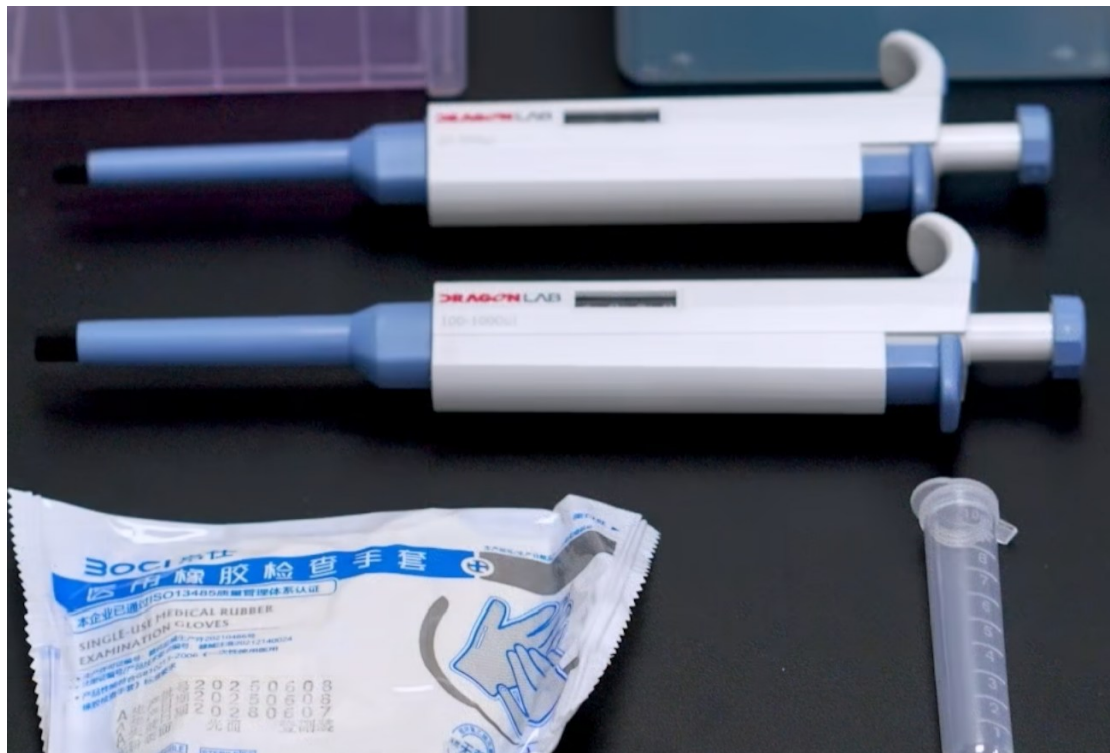
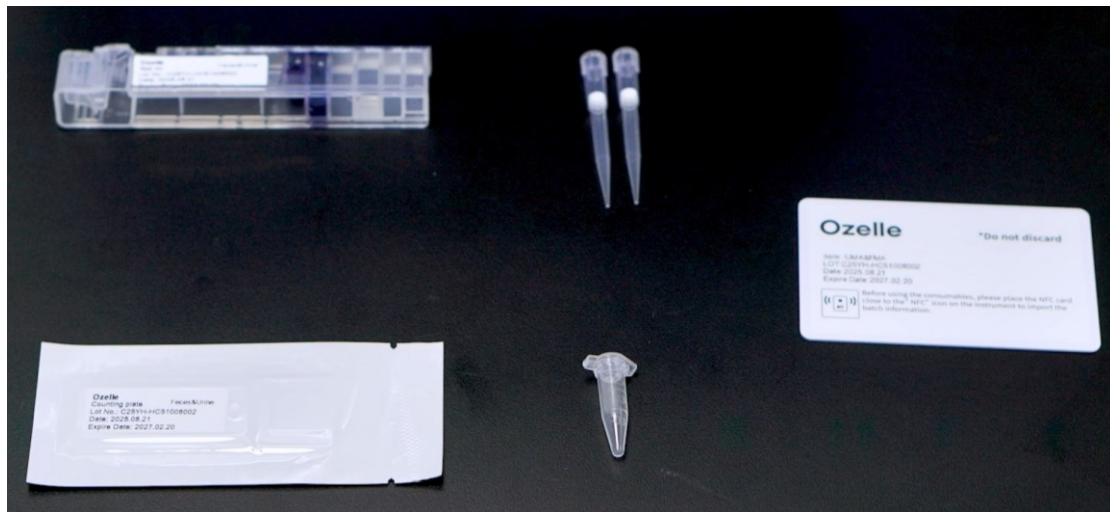
1. Wear gloves before testing.
2. Hold NFC card to the NFC card reading area for 3 seconds to register consumable data.



3. Click "Cons." To check corresponding consumable data.



4. Prepare all the consumables (NFC card*1, counting chamber*1, test kit*1, EP tube*1, tip*2, pipette, disposable medical gloves, centrifuge tubes, sterile saline 0.9% NaCl).



5. Pre-treatment of sample.

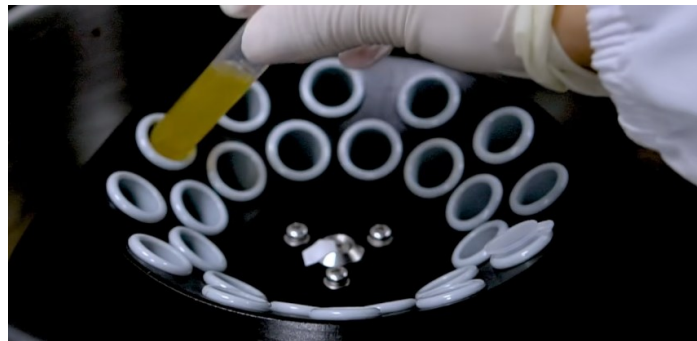
Urine testing supports two types of sample: non-hematuria urine sample and hematuria one. Use fresh samples whenever possible. If immediate testing is not possible, refrigerated sample at 2-8°C and test within 1 hour.

5.1 Non-hematuria sample pre-treatment.

For non-hematuria urine sample, centrifugation is required according to the pre-processing instruction.

5.1.1 Centrifuge

Use a centrifuge tube to collect at least 2 ml of non-hematuria urine sample, and centrifuge it. (Find centrifuge requirements on urine sample processing instructions.)



2026-04-02 AM 2:10
2026-04-02 AM 2:19

Test Rep. QC Cons. ⚙️

Start test Pending tests 0

MRN

Pet Name*

Pet Type Feline Canine

Sex Male Female

Age

ST* WB Urine Feces

PO

🔥 CBC


🔪 UMA 📄 FMA

Sample processing instructions Urine Feces


Urine sample processing instructions

1. Centrifuge non-blood urine samples, remove 90% supernatant, mix the remaining 10% thoroughly and take 200 uL into the sample tube.

Dilute the hematuria sample according to the instructions on the right, then test on the machine and input the dilution factor.



After diluting the hematuria sample, hold it close to the screen so that the following dots can be faintly seen or more clearly.



Centrifuge parameter requirements

Low-speed centrifuge: 1500rpm, 5minMini/high-speed centrifuge: 2400rpm, 5minnGeneral centrifugal force parameters: 400g, 5min

[BACK](#)

- **Centrifuge parameter requirements**

Low-speed centrifuge: 1500rpm, 5minnMini/high-speed centrifuge: 2400rpm, 5minnGeneral centrifugal force parameters: 400g, 5min

5.1.2 Enriched samples

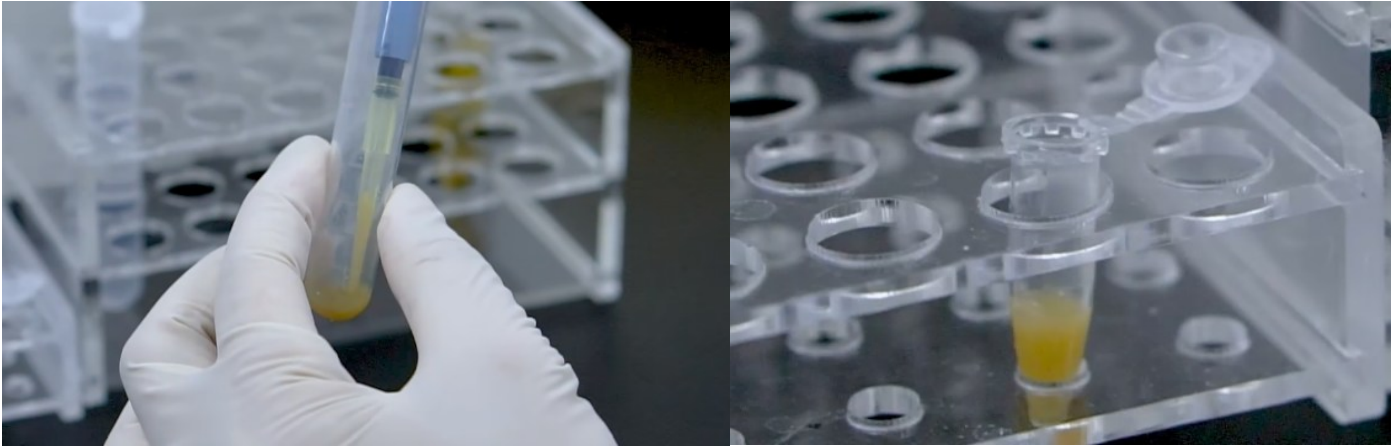
After centrifugation, use a pipette to remove about 90% of the supernatant and retain around 10% of the bottom liquid.



Close the tube cap and mix the sample thoroughly by inverting the tube several times.



After mixing, use a pipette to transfer 200ul of the processed sample into the configured EP tube for test.



5.2 Hematuria sample pre-treatment

For hematuria samples, dilution is required according to the pre-processing instruction.

2026-04-02 AM 2:10

Test Rep. QC Cons.

Start test Pending tests 0

MRN

Pet Name*

Pet Type Feline Canine

Sex Male Female

Age

ST* WB Urine Feces

PO

CBC


UMA FMA

Sample processing instructions Urine Feces


2026-04-02 AM 2:19

Urine sample processing instructions

1. Centrifuge non-blood urine samples, remove 90% supernatant, mix the remaining 10% thoroughly and take 200 uL into the sample tube. Dilute the hematuria sample according to the instructions on the right, then test on the machine and input the dilution factor.



After diluting the hematuria sample, hold it close to the screen so that the following dots can be faintly seen or more clearly.



Centrifuge parameter requirements

Low-speed centrifuge: 1500rpm, 5minMini/high-speed centrifuge: 2400rpm, 5minGeneral centrifugal force parameters: 400g, 5min

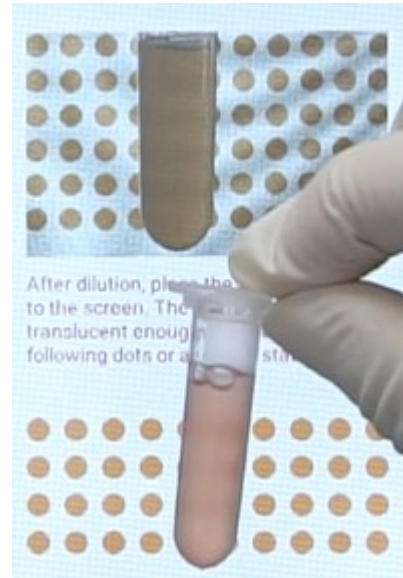
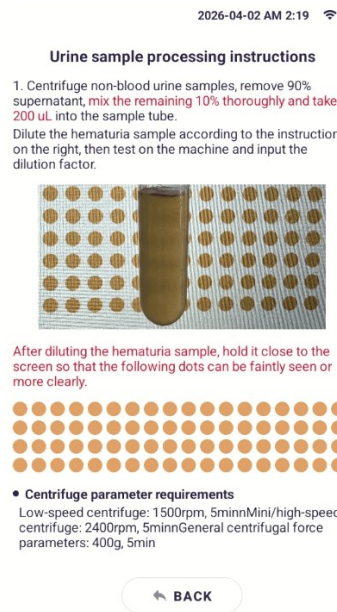
BACK

Collect the hematuria sample into sample tubes, dilute the sample using sterile saline.



Notice: The dilution factor of the sample must be recorded.

After dilution, compare the sample with the Turbidity Dot Scale according to the instruction. It should be translucent enough to faintly see the dots or appear clearer.



After dilution, use a pipette to transfer 200 ul of the processed sample into the configured EP tube for test.



6. Sample loading

6.1 Input the sample information and make sure the species and sample types are correct. Then click “UMA” test mode.

2026-04-02 AM 2:26

Test Rep. QC Cons.

Start test Pending tests 0

MRN

Pet Name*

Pet Type Feline Canine

Sex Male Female

Age Year Month

ST* WB Urine Feces

PO

CBC

UMA FMA

Sample processing instructions Urine Feces

Select the processing method according to the sample type. For non-hematuria urine sample, click “Centrifuge”; for hematuria sample, click “Dilute” and input the dilution factor.

2026-04-02 AM 3:06

Urine sample information

- Color**

Colorless/pale yellow	Yellow
Yellowish-brown	Reddish/brownish-red
Brownish-black	Blue-green
Milky white	

For severe hematuria samples, manual microscopic examination is recommended. If machine testing is required, dilute first. Run the test after dilution and enter the dilution factor.
- Transparency**

Clear and transparent	Slightly turbid
Turbid	Obviously turbid
- Processing Method***

Centrifugation	Dilution	Dilution multiple	Multiple
----------------	----------	-------------------	----------

2026-04-02 AM 3:07

Urine sample information

Colorless/pale yellow	Yellow
Yellowish-brown	Reddish/brownish-red
Brownish-black	Blue-green
Milky white	

For severe hematuria samples, manual microscopic examination is recommended. If machine testing is required, dilute first. Run the test after dilution and enter the dilution factor.

- Transparency**

Clear and transparent	Slightly turbid
Turbid	Obviously turbid
- Processing Method***

Centrifugation	Dilution	Dilution multiple	Multiple
----------------	----------	-------------------	----------

The original solution dilution factor is 1x, adding 1 part diluent equal to the sample volume makes it 2x, and so on.

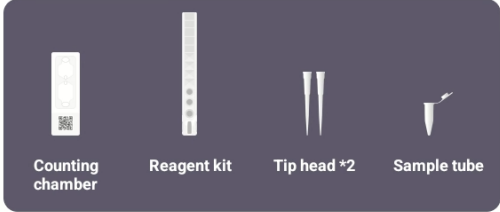
6.2 Load the sample

Assemble the required consumables according to the Operation Guide and insert them into the instrument.


2026-04-02 AM 3:18
2026-04-02 AM 3:18

UMA Operation intructions

1 Prepare consumables



2 After processing the urine sample as required, take 0.2mL with the sample tube and place it in the reagent box with the Tip




3 Note to fix the sample tube cap in the corresponding

Do not show again next time


Cancel Detection
Next

UMA Operation intructions

3 Note to fix the sample tube cap in the corresponding slot



4 Sample the counting board and reagent box on the machine



Do not show again next time

Cancel Detection
Next

When the consumables are inserted correctly, the green check marks will appear on the screen. Then click the “Slot-in”, the instrument will automatically complete the test.



During the test, the instrument will display the real-time progress on the screen. When the test is complete, the results will be displayed on the screen for viewing.

7. Test Finished

After the test, remove all consumables and discard them in the medical waste bin. Click “Removed” to end the test.