TGuide Virus DNA/RNA Kit

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This product is for scientific research use only. Do not use in medicine, clinical treatment, food or cosmetics.

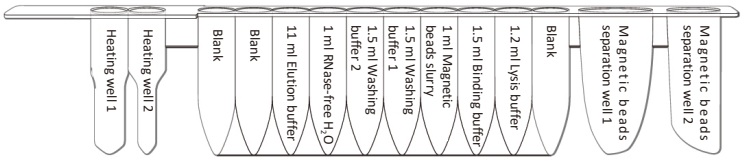
TGuide Virus DNA/RNA Kit

Cat. No. OSR-M202

Kit Contents

Contents	OSR-M202 (48 rxn)
Prepacked Reagent Cartridge (202)	48
Pipette Tips/Tip Caps	48
1.5 ml Sample Tubes (luer lock)	50
1.5 ml Centrifuge tubes	50
Carrier RNA	310 μg
RNase-free ddH_2O	1 ml
Protease K	1 ml
Handbook	1

Reagent Cartridge:



Storage Conditions:

1. It can be stored dry at room temperature (15-30°C) for 12 months.
2. Carrier RNA lyophilized powder can be stored at room temperature until the expiration date. Carrier RNA is first dissolved in RNase-free ddH_2O, and the Carrier RNA solution should be frozen and stored at -30~-15°C.

Product Description:

TGuide Virus DNA/RNA Kit is specially designed for use with TGuide M16 Automated Nucleic Acid Extractor. It is able to separate and purify high-quality viral DNA/RNA from serum, plasma, lymph, cell-free body fluid, cell culture supernatant, urine or various virus preservation solutions. Plastic consumables used in the kit are treated with DNase/RNase-free treatment, and each sample runs independently. The system well avoids various possibilities of cross-contamination between samples. The kit is able to extract viral DNA or RNA from 200 µl or 400 µl samples and is economical and convenient to integrate and use.

Virus nucleic acid obtained by magnetic bead separation technology is suitable for high sensitivity PCR and quantitative PCR detection. The kit has been verified by downstream detection of HBV, HCV, HIV and influenza viruses.

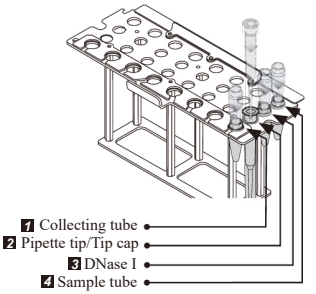
Product Features:

Simple and fast: Ultrapure virus nucleic acids can be obtained in 57/66 min from 200 µl/400 µl sample.

No contamination: Independent sealed prepacked reagent cartridges can avoid the possibility of cross-contamination..

Safe and harmless: The kit and the operation process do not need to use organic solvents harmful to human body such as phenol and chloroform.

The Setting of the T-rack:



Note: Read this note before using this kit.

1. This kit must be combined with TGuide M16 Automatic Nucleic Acid Extractor.
2. Repeated freezing and thawing of the sample should be avoided, otherwise the extraction yield will be decreased.

Preparation of Carrier RNA Solution

Add 310 µl of RNase-free ddH_2O to a tube filled with 310 µg of Carrier RNA lyophilized powder, and completely dissolve carrier RNA to obtain a solution with a final concentration of 1 µg/µl. Aliquot the solution into RNase-free centrifuge tubes according to experimental conditions and store at -30~-15°C. When in use, take out the corresponding solution according to the times of extraction. The solution should avoid repeated freezing and thawing, and the freezing and thawing times should not exceed 3 times.

Operation steps:

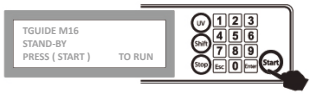
1. Add 200 µl /400 µl of virus preservation solution such as serum, plasma or lymph to the sample tube, and add 20 µl /40 µl of protease K and 6 µl /12 µl of Carrier RNA solution.
2. Place the sample tube in the well 4 of the T-rack. Run the program No.202 (virus nucleic acid extraction program) and select the corresponding sample volume and final elution volume.

   Note: When operating according to the above steps, it is recommended to select an elution volume of 60 µl to obtain a higher elution concentration.

Start program

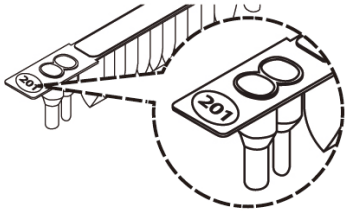
TGuide M16

Apply your specimen to TGuide after installing all necessary accessories.



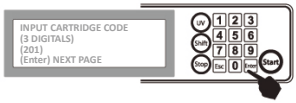
Press START

After the Start button is pressed, the machine executes the calibration procedure, initializes, and moves all axes to the original position.



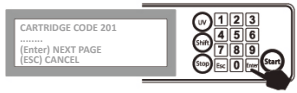
Enter the cartridge code and execute the program. The cartridge code is displayed on the prepacked reagent cartridge and the cover of the manual.

The above code is for demonstration purposes, please refer to the reagent cartridge you will actually purchase.



Confirm the cartridge code you entered again and press Enter to select the sample volume on the next page.

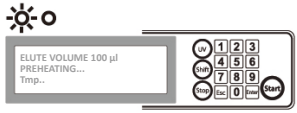
Select the sample volume



Confirm the sample volume.
Press Enter to enter the next page;
Press ESC to return to the Stand-By page.

In this step, check whether the cartridge rack and T-rack are in the work area.
Then press Enter to select the elution volume on the next page

Select elution volume



In this process, the green LCD indicator lights up and the heater starts to heat up to 65°C for the lysis step.
The TGuide LCD light is on at all times during the TGuide M16 program.
Don't open the door at this time, it will cause an emergency stop. You may lose your sample due to machine interruption.

When the program is completed, an alarm sound can be heard and the green LCD indicator goes out.