TGuide Plasma DNA Extraction Kit(1.2 ml)

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

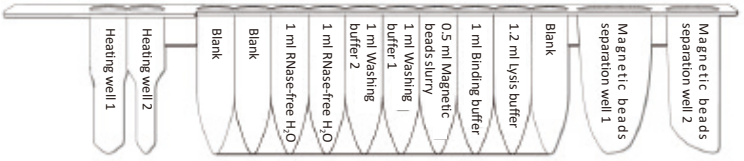
TGuide Plasma DNA Extraction Kit (1.2 ml)

Cat. No. OSR-M105

Kit Contents

Contents	OSR-M105 (48 rxn)
Prepacked Reagent Cartridge (105)	48
Pipette Tips/Tip Caps	48
1.5 ml Sample Tubes (luer lock)	50
1.5 ml Centrifuge tubes	50
Protease K	500 µl
Handbook	1

Reagent tank:



Storage Conditions:

It can be stored dry at room temperature (15-30°C) for 12 months.

Product Description:

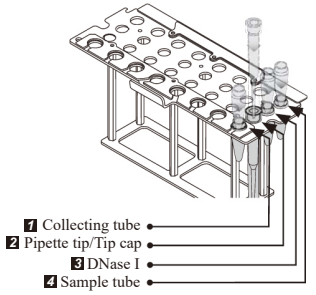
TGuide Plasma DNA Extraction Kit is specially designed to extract free nucleic acid from 1.2 ml plasma and serum samples with TGuide M16 Automated Nucleic Acid Extractor. Reagents required for protein degradation, magnetic beads specifically adsorbing nucleic acids, washing buffer, etc. are pre-loaded in the reagent cartridge, and purified nucleic acids are eluted in RNase-free H_2O.

Free nucleic acid extracted from plasma and serum by magnetic bead separation technology can be directly used in various conventional operations without purification, including PCR, fluorescence quantitative PCR, sequencing and other experiments.

Product Features:

Simple and highly efficient: Ultrapure free nucleic acid can be obtained in 67 minutes.
Reliable results: The obtained free nucleic acid is free from protein and small molecule contamination and is able to use for PCR or fluorescence quantitative PCR.
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.

Operation steps:

1. Add 1-1.2 ml of plasma sample to the sample tube, and add 10 µl of Protease K.
2. Place the sample tube in the well labeled “4” of the T-rack. Run program No.105 and only select the final elution volume.

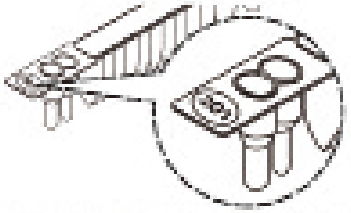
   Note: When operating according to the above steps, it is recommended to select an elution volume of 60 µl since the sample contains limited circulating nucleic acid.

Start program

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.