MagCore® Plasma DNA Extraction Kit (1.2 ml)

For extraction of free circulating DNA from human plasma or serum.
Applicable Models : HF16, Compact, HF48, Super, HF16 Plus, Plus II

Cartridge Code 105

Cat.No. MPD1200

Kit Contents

Check that the following parts are included in addition to the main unit:

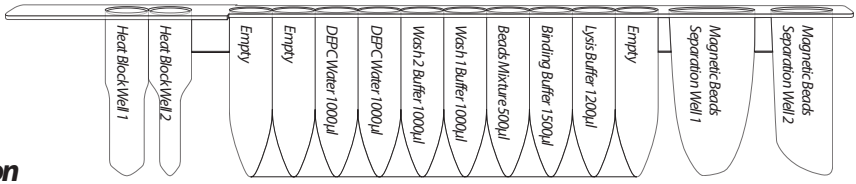
Cat.No. MPD1200 Contents:

Pre-filled Cartridge Reagent	*96 pcs.*
Pipet Tip plus Holder Set	*100 sets.*
Sample Tube	*100 pcs.*
Elution Tube	*100 pcs.*
Proteinase K(11mg)	*2 pcs.*
PK Storage Buffer	*2 pcs.*

Storage and Stability :

1. This kit should be stored at room temperature.
2. Proteinase K should be store at 2-8 ℃ upon arrival.
3. Shelf Life : 18 Months.

Cartridge Contents :



Description

MagCore® Plasma DNA Extraction Kit is designed for purification of DNA from 1.2 ml of serum, plasma, cell-free body fluids by using MagCore® auto-extraction instrument. With all the kit components of plastic consumables are DNase/ RNase -Free pretreated and individual processing track for each loaded sample, this system eliminates all possible cross contamination between samples. Built-in protocol with flexibility in sample source volumes, plasma DNA can be extracted using this kit in a fast and economical way.

Applications

The purified total nucleic acid is suitable for highly sensitive and quantitative PCR. MagCore® Plasma DNA Extraction Kit has been proven with various genomic analyses as downstream applications.

Preparation Before Using

1. Add 1.1ml PK Storage Buffer to the Proteinase K tube and mix by vortexing. Store prepared Proteinase K (10mg/ml) at 2-8℃

Protocol

1. Pipet 20µl proteinase K(10mg/ml) into the MagCore® Sample Tubes.
2. Add 1200µl of serum, plasma, cell-free body fluids into the prepared Sample Tube.
3. After Proteinase K and Plasma mixing, stand for 10-20 min at room temperature, then centrifuge at 14,000 rpm for 5 min and transfer clear plasma to new tube.
4. Put the prepared Sample Tube into the correct well of T-Rack. (see page 3-10)
5. Put Elution Tube and Tip Plus Holder Set (HF16, Compact) / Pipette Tip (Super, Plus) into the correct wells of the T-Rack. (see page 3-10)
6. Run Code 105 program at MagCore®.

MagCore® Circulating DNA Large Volume Kit (4 ml)

For extraction of free circulating DNA from human plasma or serum.
Applicable Models : HF16, Compact, HF48, Super, HF16 Plus, Plus II

Cartridge Code 115

Cat.No. MPD4000-01 / / MPD4000-03

Kit Contents

Check that the following parts are included in addition to the main unit:

Cat.No. MPD4000-01 Contents:

Pre-filled Cartridge Reagent	*24 pcs.*
Pipet Tip plus Holder Set	*25 sets.*
5ml Sample Tube	*25 pcs.*
Elution Tube	*25 pcs.*
Proteinase K(11mg)	*3 pcs.*
PK Storage Buffer	*3 pcs.*

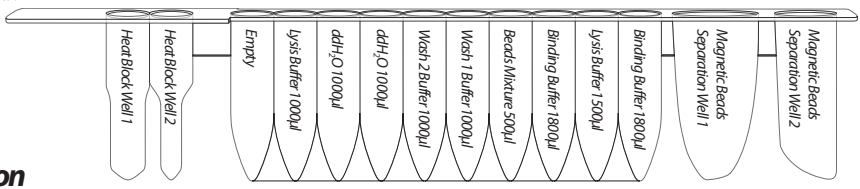
Cat.No. MPD4000-03 Contents:

Pre-filled Cartridge Reagent	*96 pcs.*
Pipet Tip plus Holder Set	*100 sets.*
5ml Sample Tube	*100 pcs.*
Elution Tube	*100 pcs.*
Proteinase K(11mg)	*10 pcs.*
PK Storage Buffer	*10 pcs.*

Storage and Stability :

1. This kit should be stored at room temperature.
2. Proteinase K should be stored at 2-8 °C upon arrival.
3. Shelf Life: 18 Months.

Cartrige Contents :



Description

MagCore® Circulating DNA large volume kit is designed for purification of DNA from 3 ml or 4 ml of serum, plasma, cell-free body fluids by using MagCore® auto-extraction instrument. With all the kit components of plastic consumables are DNase/ RNase –Free pretreated, and individual processing track for each loaded samples, this system eliminates all possible cross contamination between samples. Built-in protocol with flexibility in sample source volumes, plasma DNA can be extracted using this kit in a fast and economical way.

Applications

The purified total nucleic acid is suitable for highly sensitive and quantitative PCR. MagCore® Circulating DNA Large Volume Kit has been proven with various genomic analyses as downstream applications.

Preparation Before Using

Add 1.1ml PK Storage Buffer to the Proteinase K tube and mix by vortexing. Store prepared Proteinase K (10mg/ml) at 2-8℃

Protocol

1. Add 4 ml of serum, plasma, cell-free body fluids (If the volume is less than 4 ml, add to 4 ml with 1X PBS.) into a DNase-free 15 ml tube (not provided).
2. Add 100 µl proteinase K (10mg/ml) into 15 ml tube and mix by vortexing.
3. After Proteinase K and Plasma mixing, stand for 10-15 min at room temperature, then centrifuge at 14,000 rpm for 5 min and transfer clear plasma to 5 ml Sample Tube.
4. Put the prepared Sample Tube into the well 6 of the T-Rack.
5. Put the Pipette Tip into the well 3 of the T-Rack and the Elution Tube into the well 5 of the T-Rack.
6. Run Code 115 program at MagCore®.