

MagCore® Viral Nucleic Acid Extraction Kit

For extraction of viral DNA/RNA from serum, plasma and cell-free body fluids.

Applicable Models : HF16, Compact, HF48, Super, HF16 Plus, Plus II

Cartridge Code 201

Cat.No. MVN400-01 // MVN400-02

Kit Contents

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

Cat.No. MVN400-01 Contents:

Pre-filled Cartridge Reagent.....	36 pcs.
Pipet Tip plus Holder Set.....	36 sets.
Sample Tube.....	36 pcs.
Elution Tube.....	36 pcs.
Carrier RNA (1mg).....	1 pcs.
RNase Free Water.....	1 pcs.
Proteinase K (11mg).....	1 pcs.
PK Storage Buffer.....	1 pcs.

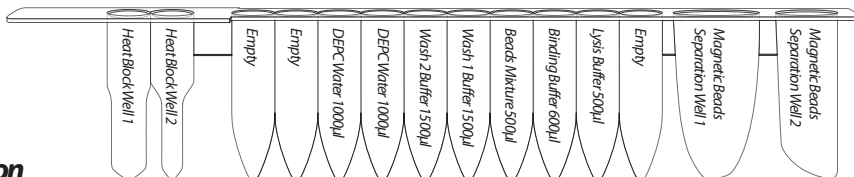
Cat.No. MVN400-02 Contents:

Pre-filled Cartridge Reagent.....	96 pcs.
Pipet Tip plus Holder Set.....	100 sets.
Sample Tube.....	100 pcs.
Elution Tube.....	100 pcs.
Carrier RNA (1mg).....	1 pcs.
RNase Free Water.....	1 pcs.
Proteinase K (11mg).....	2 pcs.
PK Storage Buffer.....	2 pcs.

Storage and Stability:

1. This kit should be stored at room temperature.
2. Carrier RNA should be stored at -20°C when mixing with RNase Free Water / Proteinase K should be stored at 2-8 °C upon arrival.
3. Shelf Life: 18 Months.

Cartridge Contents:



Description

MagCore® Viral Nucleic Acid Extraction Kit is designed to extract viral DNA and RNA via 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, both DNA and RNA virus can be extracted using the same kit in a fast and economical way.

Applications

Using magnetic-particle technology to purify viral nucleic acid from serum, plasma, or cell-free body fluids. The purified viral nucleic acid is suitable for highly sensitive and quantitative PCR.

Preparation Before Using

1. Add 1.0 ml RNase Free Water to the Carrier RNA tube and mix by vortexing. Store prepared Carrier RNA (1 mg/ml) at -20°C. (Do not freeze–thaw the carrier RNA more than 3 times.)
2. Add 1.1 ml PK Storage Buffer to the Proteinase K tube and mix by vortexing. Store prepared Proteinase K (10 mg/ml) at 2-8°C

Protocol

1. Pipet 10 µl Carrier RNA (1 mg/ml) and 20 µl proteinase K (10 mg/ml) into the MagCore® Sample Tubes.
2. Add 200 µl or 400 µl of serum, plasma, or cell-free body fluids into the prepared Sample Tube.
3. Put the prepared Sample Tube into the correct well of T-Rack. (see page 3-10)
4. 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)
5. Run Code 201 program at MagCore®.

Urine Protocol

Sample Preparation

1. Harvest cells from up to 3.5 ml urine by centrifugation for 10 minutes at 3000 rpm and concentrate the sample to 400 µl
2. Add 5–10 µl Proteinase K (10 mg/ml) to the sample. Vortex for 5 seconds to mix sample.
3. Incubate at 56°C for 10 minutes until the sample lysate is clear. During incubation, invert the tube every 3 minutes.
4. Pipet 10 µl Carrier RNA (1 mg/ml) into the MagCore® Sample Tubes.
6. Put the prepared Sample Tube into the correct well of T-Rack. (see page 3-10)
7. 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)
8. Run Code 201 program at MagCore®.

Swab Protocol

*Not Provided: GT Buffer and Filter Column Set.

1. Separate the swab cotton from the stick. Place the swab into a 2ml microcentrifuge tube, add 500 µl or more GT buffer (not provided, Cat. No. S44050030, 30ml) and 20 µl Proteinase K (10 mg/ml).
2. Incubate the sample lysate at 55°C for 30 min.
For Buccal Swab sample, donor should not ingest anything for at least 30 min prior to sample collection.
3. If there are any insoluble residues in the tube, transfer the supernatant to a Filter Column (not provided, Cat. No. S42030001, 100 pcs; Cat. No. S42030002, 36 pcs) and centrifuge at full speed for 5 mins to get clear tissue solution in the Collection Tube.
4. Pipette 400 µl of clear tissue solution and 10 µl Carrier RNA (1 mg/ml) to the MagCore® Sample Tube.
5. Put the prepared Sample Tube into the W1 of the T-Rack.
6. Put Elution Tube into the W5 of the T-Rack and Pipette Tip into the W3 of the T-Rack.
7. Run Code 201 program at MagCore®.

MagCore® Viral Nucleic Acid Extraction Kit

For extraction of viral DNA/RNA from serum, plasma and cell-free body fluids

Applicable Models : HF16, Compact, HF48, Super, HF16 Plus, Plus II

Cartridge Code 202

Cat.No. MVN400-03 // MVN400-04

Kit Contents

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

Cat.No. MVN400-03 Contents:

Pre-filled Cartridge Reagent.....	36 pcs.
Pipet Tip plus Holder Set.....	36 sets.
Sample Tube.....	36 pcs.
Elution Tube.....	36 pcs.
Carrier RNA(1mg).....	1 pcs.
RNase Free Water.....	1 pcs.
Proteinase K(11mg).....	1 pcs.
PK Storage Buffer.....	1 pcs.

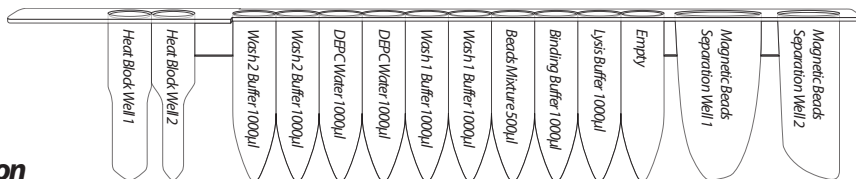
Cat.No. MVN400-04 Contents:

Pre-filled Cartridge Reagent.....	96 pcs.
Pipet Tip plus Holder Set.....	100 sets.
Sample Tube.....	100 pcs.
Elution Tube.....	100 pcs.
Carrier RNA(1mg).....	1 pcs.
RNase Free Water.....	1 pcs.
Proteinase K(11mg).....	2 pcs.
PK Storage Buffer.....	2 pcs.

Storage and Stability:

1. This kit should be stored at room temperature.
2. Carrier RNA should be stored at -20°C when mixing with RNase Free Water / Proteinase K should be stored at 2-8 °C upon arrival.
3. Shelf Life: 18 Months.

Cartridge Contents:



Description

MagCore® Viral Nucleic Acid Extraction Kit is designed to extract viral DNA and RNA via 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, both DNA and RNA virus can be extracted using the same kit in a fast and economical way.

Applications

Using magnetic-particle technology to purify viral nucleic acid from serum, plasma, or cell-free body fluids. The purified viral nucleic acid is suitable for highly sensitive and quantitative PCR.

Preparation Before Using

1. Add 1.0 ml RNase Free Water to the Carrier RNA tube and mix by vortexing. Store prepared Carrier RNA (1 mg/ml) at -20°C. (Do not freeze—thaw the carrier RNA more than 3 times.)
2. Add 1.1 ml PK Storage Buffer to the Proteinase K tube and mix by vortexing. Store prepared Proteinase K (10 mg/ml) at 2-8°C

Protocol

1. Pipet 10 µl Carrier RNA (1 mg/ml) and 20 µl proteinase K (10 mg/ml) into the MagCore® Sample Tubes.
2. Add 200 µl or 400 µl of serum, plasma, or cell-free body fluids into the prepared Sample Tube.
3. Put the prepared Sample Tube into the correct well of T-Rack. (see page 3-10)
4. 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)
5. Run Code 202 program at MagCore®.

Urine Protocol

Sample Preparation

1. Harvest cells from up to 3.5 ml urine by centrifugation for 10 minutes at 3000 rpm and concentrate the sample to 400 µl
2. Add 5~10 µl Proteinase K (10 mg/ml) to the sample. Vortex for 5 seconds to mix sample.
3. Incubate at 56°C for 10 minutes until the sample lysate is clear. During incubation, invert the tube every 3 minutes.
4. Pipet 10 µl Carrier RNA (1 mg/ml) into the MagCore® Sample Tubes.
6. Put the prepared Sample Tube into the correct well of T-Rack. (see page 3-10)
7. 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)
8. Run Code 202 program at MagCore®.

Swab Protocol

*Not Provided: GT Buffer and Filter Column Set.

1. Separate the swab cotton from the stick. Place the swab into a 2ml microcentrifuge tube, add 500 µl or more GT buffer (not provided, Cat. No. S44050030, 30ml) and 20 µl Proteinase K (10 mg/ml).
2. Incubate the sample lysate at 55°C for 30 min.
For Buccal Swab sample, donor should not ingest anything for at least 30 min prior to sample collection.
3. If there are any insoluble residues in the tube, transfer the supernatant to Filter Column (not provided, Cat. No. S42030001, 100 pcs; Cat. No. S42030002, 36 pcs) and centrifuge at full speed for 5 mins to get clear tissue solution in the Collection Tube.
4. Pipette 400 µl of clear tissue solution and 10 µl Carrier RNA (1 mg/ml) to the MagCore® Sample Tube.
5. Put the prepared Sample Tube into the W1 of the T-Rack.
6. Put Elution Tube into the W5 of the T-Rack and Pipette Tip into the W3 of the T-Rack.
7. Run Code 202 program at MagCore®.

MagCore® Viral Nucleic Acid Extraction Kit (High Sensitivity)

For extraction of viral DNA/RNA from serum, plasma and cell-free body fluids

Applicable Models : HF16, Compact, HF48, Super, HF16 Plus, Plus II

Cartridge Code 203

Cat.No. MVN400-05//MVN400-06

Kit Contents

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

Cat.No. MVN400-05 Contents:

Pre-filled Cartridge Reagent.....	36 pcs.
Pipet Tip plus Holder Set.....	36 sets.
Sample Tube.....	36 pcs (two packages).
Elution Tube.....	36 pcs.
Carrier RNA(1mg).....	1 pcs.
RNase Free Water.....	1 pcs.
Proteinase K(11mg).....	1 pcs.
PK Storage Buffer.....	1 pcs.

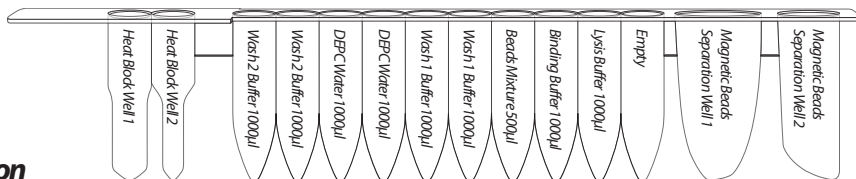
Cat.No. MVN400-06 Contents:

Pre-filled Cartridge Reagent.....	96 pcs.
Pipet Tip plus Holder Set.....	100 sets.
Sample Tube.....	100 pcs (two packages).
Elution Tube.....	100 pcs.
Carrier RNA(1mg).....	1 pcs.
RNase Free Water.....	1 pcs.
Proteinase K(11mg).....	2 pcs.
PK Storage Buffer.....	2 pcs.

Storage and Stability:

1. This kit should be stored at room temperature.
2. Carrier RNA should be stored at -20°C when mixing with RNase Free Water / Proteinase K should be stored at 2-8 °C upon arrival.
3. Shelf Life: 12 Months.

Cartridge Contents:



Description

MagCore® Viral Nucleic Acid Extraction Kit is designed to extract viral DNA and RNA via 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, both DNA and RNA virus can be extracted using the same kit in a fast and economical way.

Applications

Using magnetic-particle technology to purify viral nucleic acid from serum, plasma, or cell-free body fluids. The purified viral nucleic acid is suitable for highly sensitive and quantitative PCR.

Preparation Before Using

1. Add 1.0 ml RNase Free Water to the Carrier RNA tube and mix by vortexing. Store prepared Carrier RNA (1 mg/ml) at -20°C. (Do not freeze–thaw the carrier RNA more than 3 times.)
2. Add 1.1 ml PK Storage Buffer to the Proteinase K tube and mix by vortexing. Store prepared Proteinase K (10 mg/ml) at 2-8 °C

Protocol

1. Pipet 10 µl Carrier RNA (1 mg/ml) and 20 µl proteinase K (10 mg/ml) into the MagCore® Sample Tubes.
2. Add 200 µl or 400 µl of serum, plasma, or cell-free body fluids into the prepared Sample Tube.
3. **Internal Control (IC) Selection**
Pipet the Internal Control (5, 10 or 20 µl, not provided) into a new Sample Tube.
Place this sample tube into the W2 of the T-Rack.
 - a. HF16, Compact, Plus II: Select add IC, (3) Yes or (4) No.
 - b. Super, HF16 Plus: Select Code **203A** for adding IC or Code **203B** for without IC.
4. Put the prepared Sample Tube into the W1 of the T-Rack.
5. Elution Tube Position
 - a. HF16, Compact: Put Elution Tube into the W4 of T-Rack and Pipette Tip into the W3 of T-Rack.
 - b. Super, HF16 Plus, Plus II: Put Elution Tube into the W5 of T-Rack and Pipette Tip into the W3 of T-Rack.
6. Run Code 203 (HF16, Compact, Plus II) or 203A/203B (Super, HF16 Plus) program at MagCore®.

Urine Protocol

Sample Preparation

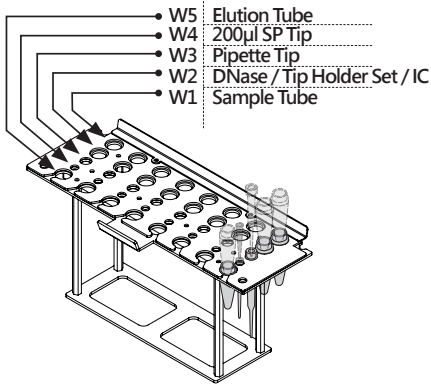
1. Harvest cells from up to 3.5 ml urine by centrifugation for 10 minutes at 3000 rpm and concentrate the sample to 400 µl
2. Add 5~10 µl Proteinase K (10 mg/ml) to the sample. Vortex for 5 seconds to mix sample.
3. Incubate at 56°C for 10 minutes until the sample lysate is clear. During incubation, invert the tube every 3 minutes.
4. Pipet 10 µl Carrier RNA (1 mg/ml) into the MagCore® Sample Tubes.
5. Put the prepared Sample Tube into the W1 of T-Rack.
6. Put Elution Tube into the W5 of T-Rack and Pipette Tip into the W3 of T-Rack.
7. Run Code **203** (HF16, Compact) or **203A/203B** (Super, HF16 Plus) program at MagCore®.

Swab Protocol

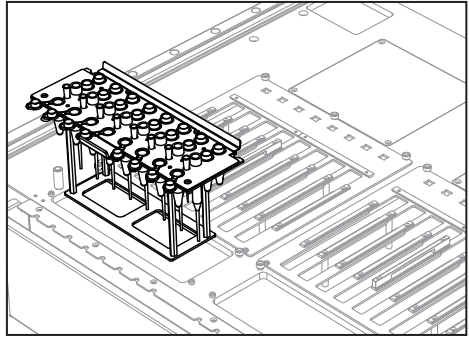
*Not Provided: GT Buffer and Filter Column Set.

1. Separate the swab cotton from the stick. Place the swab into a 2ml microcentrifuge tube, add 500 µl or more GT buffer (not provided, Cat. No. S44050030, 30ml) and 20 µl Proteinase K (10 mg/ml).
2. Incubate the sample lysate at 55°C for 30 min.
For Buccal Swab sample, donor should not ingest anything for at least 30 min prior to sample collection.
3. If there are any insoluble residues in the tube, transfer the supernatant to Filter Column (not provided, Cat. No. S42030001, 100 pcs; Cat No. S42030002, 36 pcs) and centrifuge at full speed for 5 mins to get clear tissue solution in the Collection Tube.
4. Pipette 400 µl of clear tissue solution and 10 µl Carrier RNA (1 mg/ml) to the MagCore® Sample Tube.
5. Put the prepared Sample Tube into the W1 of T-Rack.
6. Put Elution Tube into the W5 of T-Rack and Pipette Tip into the W3 of T-Rack.
7. Run Code **203** (HF16, Compact, Plus II) or **203A/203B** (Super, HF16 Plus) program at MagCore®

– Install Tube, Tip



1. Put the tip into the corresponding well according to the left figure.
2. Put the T-Rack on the machine.



Warning :

Please do not use the Tips and Tubes which are not provided by the original manufacturer. The test result may be not correct and the machine may be damaged due to different Tips and Tubes.

MagCore® Viral Nucleic Acid Large Volume Extraction Kit (2.4 ml)

For extraction of viral DNA/RNA from large volume (2.4 ml) serum, plasma and cell-free body fluids.

Applicable Models : HF16, Compact

Cartridge Code 210

Cat.No. MVN2400 (HF16, Compact)

Kit Contents

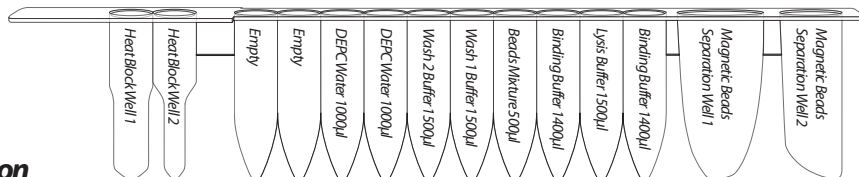
Check that the following parts are included in addition to the main unit:

Cat.No. MVN2400 Contents:	
Pre-filled Cartridge Reagent.....	96 pcs.
Pipet Tip plus Holder Set.....	100 sets.
5ml Sample Tube.....	100 pcs.
Elution Tube.....	100 pcs.
Carrier RNA(1mg).....	2 pcs.
RNase Free Water.....	2 pcs.
Proteinase K(11mg).....	4 pcs.
PK Storage Buffer.....	4 pcs.

Storage and Stability:

1. This kit should be stored at room temperature.
2. Carrier RNA should be stored at -20°C when mixing with RNase Free Water.
3. Proteinase K should be stored at 2-8°C upon arrival.
4. Shelf Life: 18 Months.

Cartridge Contents:



Description

MagCore® Viral Nucleic Acid Large Volume Extraction Kit (2.4ml) is designed for purification of DNA and RNA from 2.4ml serum, plasma, cell-free body fluids by 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, both DNA and RNA virus can be extracted using the same kit in a fast and economical way.

Applications

Using magnetic-particle technology to purify viral nucleic acid from serum, plasma, or cell-free body fluids. The purified viral nucleic acid is suitable for highly sensitive and quantitative PCR.

Preparation before using

1. Add 1.0 ml RNase Free Water to the Carrier RNA tube and mix by vortexing. Store prepared Carrier RNA (1 mg/ml) at -20°C.
(Do not freeze–thaw the carrier RNA more than 3 times.)
2. Add 1.1 ml PK Storage Buffer to the Proteinase K tube and mix by vortexing. Store prepared Proteinase K (10 mg/ml) at 2-8°C

Protocol

1. Pipet 20 µl Carrier RNA (1 mg/ml) and 40 µl proteinase K (10 mg/ml) into the 5 ml Sample Tubes (provided).
2. Add 2400 µl of serum, plasma, or cell-free body fluids into the prepared 5 ml Sample Tube.
3. Put the prepared 5 ml Sample Tube into the correct well of T-Rack. (see page 3-10)
4. 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)
5. Run Code 210 program at MagCore®.

MagCore® Viral Nucleic Acid Large Volume Extraction Kit (1.2 ml)

For extraction of viral DNA/RNA from large volume (1.2 ml) serum, plasma and cell-free body fluids.
Applicable Models : HF16, Compact, HF48, Super, HF16 Plus, Plus II

Cartridge Code 211

Cat.No. MVN1200

Kit Contents

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

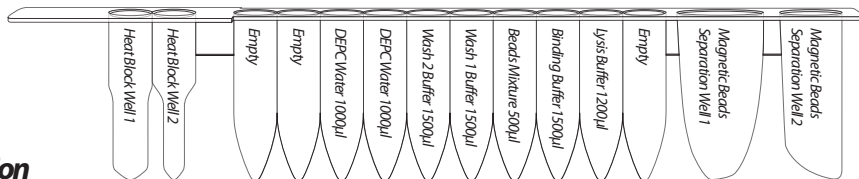
Cat.No. MVN1200 Contents:

Pre-filled Cartridge Reagent.....	96 pcs.
Pipet Tip plus Holder Set.....	100 sets.
Sample Tube.....	100 pcs.
Elution Tube.....	100 pcs.
Carrier RNA(1mg).....	1 pcs.
RNase Free Water.....	1 pcs.
Proteinase K(11mg).....	2 pcs.
PK Storage Buffer.....	2 pcs.

Storage and Stability:

1. This kit should be stored at room temperature.
2. Carrier RNA should be stored at -20°C when mixing with RNase Free Water / Proteinase K should be stored at 2-8°C upon arrival.
3. Shelf Life: 18 Months.

Cartridge Contents:



Description

MagCore® Viral Nucleic Acid Large Volume Extraction Kit (1.2ml) is designed for purification of DNA and RNA from 1.2ml serum, plasma, cell-free body fluids by 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, both DNA and RNA virus can be extracted using the same kit in a fast and economical way.

Applications

Using magnetic-particle technology to purify viral nucleic acid from serum, plasma, or cell-free body fluids. The purified viral nucleic acid is suitable for highly sensitive and quantitative PCR.

Preparation Before Using

1. Add 1.0 ml RNase Free Water to the Carrier RNA tube and mix by vortexing. Store prepared Carrier RNA (1 mg/ml) at -20°C.
(Do not freeze–thaw the carrier RNA more than 3 times.)
2. Add 1.1 ml PK Storage Buffer to the Proteinase K tube and mix by vortexing. Store prepared Proteinase K (10 mg/ml) at 2-8 °C

Protocol

1. Pipet 10 µl Carrier RNA (1 mg/ml) and 20 µl proteinase K (10 mg/ml) into the MagCore® Sample Tubes (provided).
2. Add 1200 µl of serum, plasma, or cell-free body fluids into the prepared Sample Tube.
3. Put the prepared Sample Tube into the correct well of T-Rack. (see page 3-10)
4. 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)
5. Run Code 211 program at MagCore®.