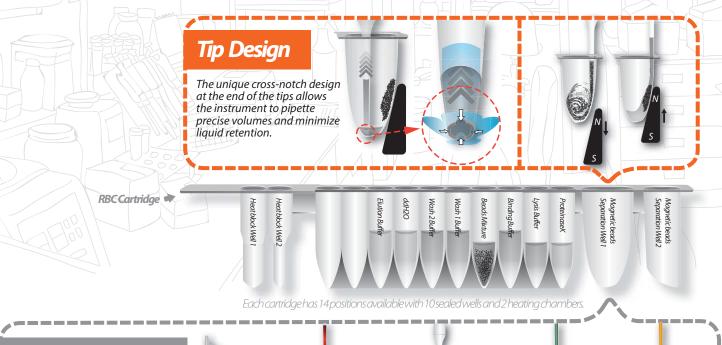


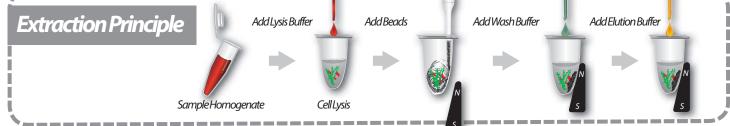




MagCore<sup>®</sup> cartridges include all reagents needed for purifications, no additional handling is necessary. We minimize any possible contamination and spillage with an automated piercing step for our pre-sealed cartridges. RBC patented Heating Well and Separation Well in the cartridge provide a strong circular force to ensure efficient binding and washing during the extraction procedure.

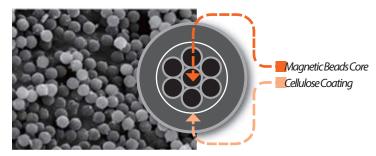
MagCore® Nucleic Acid Extraction Kits contain all reagents and consumables needed for 36, 72 or 96 nucleic acid isolation reactions. The consumables consist of reagent cartridges, individually packaged tip sets, sample tubes and elution tubes.

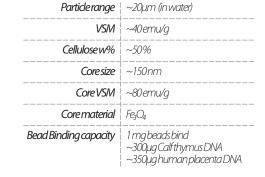




### MagCore® Worldwide Patented Magnetic Beads

Our design: multiple core inside, cellulose coating.

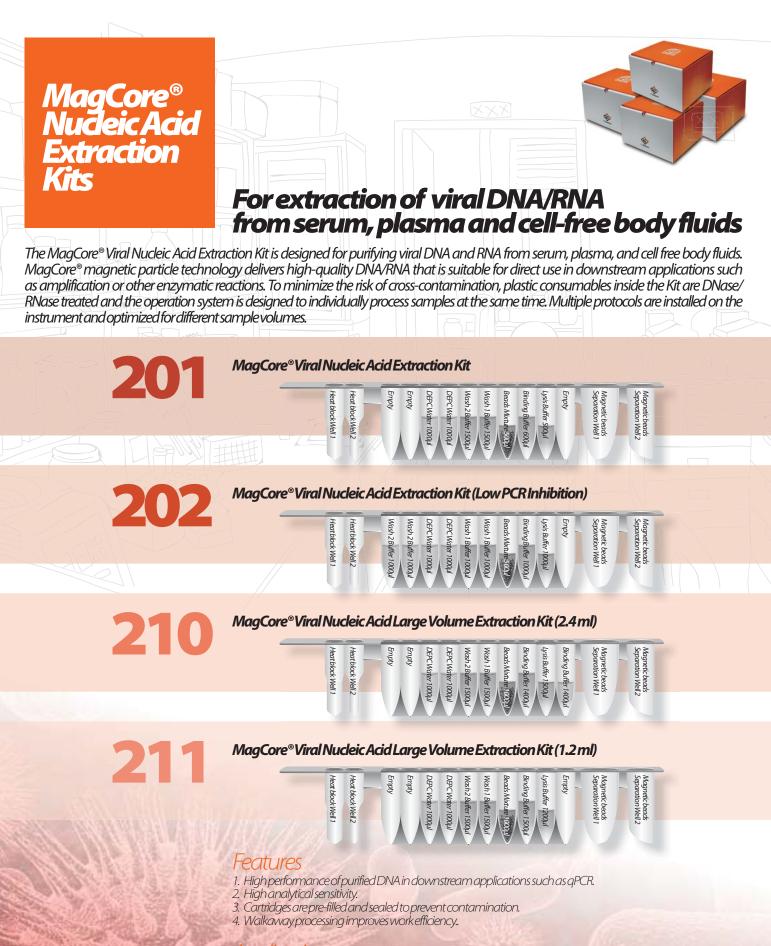






FDA (10055336) registered and CE-IVD certified (Instruments & Reagents) Manufactured in accordance with quality system requirements that comply with ISO 13485 standards and QSR





#### Applications

MagCore® Viral Nucleic Acid Extraction Kit is designed to allow automated processing of multiple sample types in the same run. Sample types include:

- 1. Cell-free body fluids 2. Plasma and serum
- 3. CSF
- 4. Urine



## Performance

#### HBV detection by Real-Time PCR

The isolations of HBV nucleic acid from samples containing different concentrations of HBV were subsequently detected by Real-Time PCR

#### Sensitivity test for HBV detection

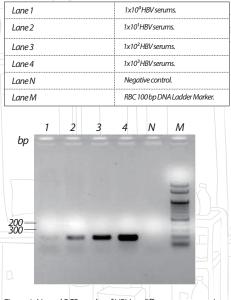


Figure 1. Nested PCR results of HBV at different concentrations. Viral nucleic acids were purified from samples containing different amount of HBV using MagCore® Viral Nucleic Acid Extraction Kit.

#### Sensitivity test for HCV detection

Lane 1	5x10⁰HCV serums.					
Lane 2	5x10 <sup>1</sup> HCV serums.					
Lane 3	5x10 <sup>2</sup> HCV serums.					
Lane 4	5x10³HCV serums.					
Lane 5	5x10⁴HCV serums.					
Lane 6	5x10⁵HCV serums.					
Lane P	Positive control.					
Lane N	Negative control.					
Lane M	RBC 100 bp DNA Ladder Marker.					
M 1 2 3	456 P N					
7 4						

Figure 2. Nested PCR results of HCV at different concentrations. Viral nucleic acids were purified from samples containing different amount of HCV using MagCore® Viral Nucleic Acid Extraction Kit.

200

# MagCore® Automated Nucleic Acid Kits Specification

	MagCore®Super/HF16Plus/PlusII						MagCore® HF16 / Compact / HF48		
CartridgeCode	CatNo.	CatNo.	CatNo.	RunningTime		CatNo.	CatNo.	CatNo. 96preps	RunningTime
	36 preps	72preps	96preps			36 preps	72preps		
201	MagCore <sup>®</sup> Viral Nucleic Acid Extraction Kit For 200 and 400 µl sample volumes. Contents: Pre-Filled Cartridges, Proteinase K, PK Storage Buffer, Carrier RNA, Rnase Free Water, Disposable Tip & Holder Sets, Sample Tubes, Elution Tubes Shelf life: 18 months								
	MVN400-01SP		MVN400-02SP	44 min (sample volume:20 55 min (sample volume:40 *optical detection is not pro	0μl)	MVN400-01		MVN400-02	45 min (sample volume :200 µl) 56 min (sample volume :400 µl) (Applicable models : HF16, Compact)
202	MagCore® Viral Nucleic Acid Extraction Kit (Low PCR Inhibition) For 200 and 400 µl sample volumes. Contents: Pre-Filled Cartridges, Proteinase K, PK Storage Buffer, Carrier RNA, Rnase Free Water, Disposable Tip & Holder Sets, Sample Tubes, Elution Tubes Shelf life: 18 months								
	MVN400-03SP		MVN-400-04SP	62 min (sample volume:20 73 min (sample volume:40 *optical detection is not pro	0μĺ)	MGB400-03		MGB400-04	57 min (sample volume:200 µl) 66 min(sample volume:400 µl)
210	MagCor For 2400 μl sa Contents: Pre	imple volumes. e-Filled Cartridg k required for 5	ıcleic Acid I	73 min (sample volume 40 *optical detection is not pre Large Volume E , PK Storage Buffer, Cari	evided Extraction	Kit (2.4 ml)	able Tip & Hold		66 min(sample volume:400μl)
210	MagCor For 2400 µl sa Contents: Pre (special T-racl	imple volumes. e-Filled Cartridg k required for 5	I <b>cleic Acid I</b> es, Proteinase K	73 min (sample volume 40 *optical detection is not pre Large Volume E , PK Storage Buffer, Cari	evided Extraction	Kit (2.4 ml)	able Tip & Hold		66 min(sample volume:400μl)
210 211	MagCom For 2400 µl sa Contents: Pre (special T-racl Shelf life: 18 n MagCom For 1200 µl sa	Imple volumes. -Filled Cartridg k required for 5 i nonths e <sup>®</sup> Viral Nu Imple volumes. -Filled Cartridg	icleic Acid I es, Proteinase K ml sample tube icleic Acid I	73 min (sample volume 40 *optical detection is not pre Large Volume E , PK Storage Buffer, Cari	où) avded Extraction rier RNA, Rnase Extraction	Kit (2.4 ml) Free Water, Dispos Kit (1.2 ml)		ler Sets, Sample	66 min(sample volume:400µl) Tubes, Elution Tubes 90 min (sample volume:2400µl) (Applicable models:HF16, Compact)

### Enzyme Selection Guide

Product	Contents	Cat.No.
Proteinase K Set	11 mg Proteinase K, 1.25 ml PK Storage Buffer	РК011
RNase A	50 µl RNase A (50mg/ml)	RN050
nnaseA	130µl RNase A (50mg/ml)	RN130





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