

MagCore® Nucleic Acid Extraction Kits



For Extraction of Viral DNA/RNA From Serum, Plasma, Swabs and Cell-Free Body Fluids by Using MagCore® System

MagCore® Viral Nucleic Acid Kits are designed to isolate viral DNA and/or RNA from plasma, serum, swabs and cell-free body fluids. All plastic consumables included in the kits are DNase/RNase-free to minimize the risk of cross contamination. Our patented magnetic beads will bind to the short DNA fragments with high affinity ensuring that all important genetic information is collected efficiently making your daily isolation routine easier and faster. This kit also features Internal Control selection in its protocol, being compatible with any viral detection kit.

203

MagCore® Viral Nucleic Acid Extraction Kit (High Sensitivity)



Features

1. Higher analytical sensitivity.
2. Consistent and reproducible results.
3. High performance of purified DNA/RNA in downstream applications such as qPCR.
4. Cartridges are pre-filled and sealed to prevent contamination.
5. Provides the option of Internal Control selection.

Applications

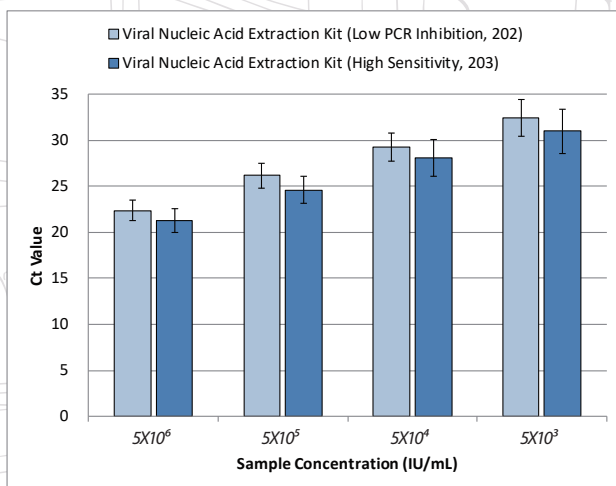
MagCore® Viral Nucleic Acid Extraction Kit allows automated processing of multiple sample types in the same run, including:

1. Cell-Free Body Fluids
2. Plasma and Serum
3. CSF
4. Urine
5. Swabs



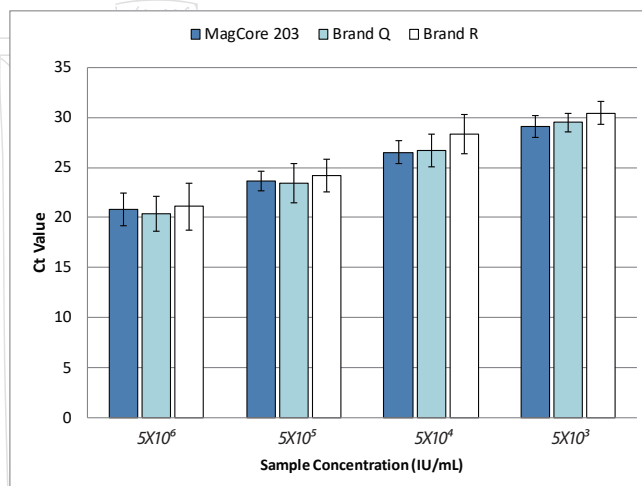
Performance

Viral Nucleic Acid Extraction Performance Analysis



MagCore®203 shows better performance on real-time PCR with approximately 1~2 Ct Value less. (n≥3)

Comparison of real-time PCR results of nucleic acid extraction by MagCore®, Brand Q and Brand R



Purified viral nucleic acid by MagCore® is ideal for the downstream real-time PCR. Viral samples processed by MagCore®

Internal Control (IC) Selection

No.	Kit	Signal	Sample Concentration (IU/mL) – HBV Signal/IC Signal				NTC
			5x10 ⁶	5x10 ⁵	5x10 ⁴	5x10 ³	
1	MagCore®203	HBV	22.06	25.39	28.58	30.53	-/-
		+IC	29.99	31.54	31.17	31.55	
2		HBV	23.82	26.51	29.78	33.17	
		+IC	31.19	30.79	30.51	32.73	

MagCore®203 program provides internal control (IC) selection, and the real-time PCR analyzed by CE IVD HBV Quantification kit shows IC signal within criteria (Ct value 30±3). This confirms success in MagCore®203 viral extraction step and low co-purification of PCR inhibitors that may cause false amplification patterns.

MagCore® Automated Nucleic Acid Kits Specification

Cartridge Code	MagCore® Super/HF16 Plus/Plus II				MagCore® HF16 / Compact/HF48			
	Cat No.	Cat No.	Cat No.	Running Time	Cat No.	Cat No.	Cat No.	Running Time
	36 preps	72 preps	96 preps		36 preps	72 preps	96 preps	

203 MagCore® Viral Nucleic Acid Extraction Kit (High Sensitivity)

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: 12 months

MVN400-05	MVN400-06	57 Mins / With IC Selection: 58 Mins (sample volume: 200 µl) 66 Mins / With IC Selection: 67 Mins (sample volume: 400 µl)	MVN400-05	MVN400-06	56 Mins / With IC Selection: 57 Mins (sample volume: 200 µl) 72 Mins / With IC Selection: 73 Mins (sample volume: 400 µl)
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Enzyme Selection Guide

Product	Contents	Cat. No.
Proteinase K Set	11 mg Proteinase K, 1.25 ml PK Storage Buffer	PK011
Carrier RNA Set	1 mg Carrier RNA, RNase Free Water	CR001



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

