



Qualitative and quantitative detection of nucleic acids of **hepatitis B and C** viruses by PCR/RT-PCR

Analytical sensitivity

	Sensitivity				
Kits	PREP-NA-ULTRA			PREP-MB-LITE	
Minimum sample volume	250 µL	500 µL	1000 µL	100 µL	250 µL
HBV	15 IU/mL	5 IU/mL	4 IU/mL	40 IU/mL	15 IU/mL
HBV Quantitative					
HCV	50 IU/mL	15 IU/mL	10 IU/mL	80 IU/mL	50 IU/mL
HCV Quantitative					

Detection instruments

DNA/RNA extraction: KingFisher Flex 96, Auto-Pure 96

Amplification: DT series amplifiers (DNA Technology), CFX96 (Bio-Rad Laboratories), Applied Biosystems QuantStudio 5 (Life Technologies Holdings Pte. Ltd)



from 3.5 hours,
including sample preparation

High speed of research



Biomaterial:

Blood serum/plasma

 DNA/RNA extraction kits	PREP-NA-ULTRA	PREP-MB-LITE
 Biomaterial	Blood serum/plasma	Blood serum/plasma
 Method	Alcohol precipitation	Magnetic sorption
 Package	N (not pre-aliquoted)	■ N (Not pre-aliquoted) ■ P1 (Pre-aliquoted in deep-well plate) ■ P2 (Pre-aliquoted in deep-well plate (tip comb, deep-well plates and seal sheet included))
 Extraction time	1 h	40 min
 Number of tests	100	96
 Storage conditions	+2°C...+25°C	Part №1: +2°C...+25°C Part №2: -22°C...-18°C



• Biomaterial collection



• DNA/RNA extraction



• Real-time PCR

Specialized DTmaster software — provides automatic interpretation of results and forms a specific report



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