



Detection of **hepatitis B and C viruses** by PCR/RT-PCR

Analytical sensitivity

Kits	Sensitivity				
	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

Aliquoting of samples: DTstream 12 L4, DTstream 15 L4

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

Amplification: DTprime M, DTlight S1, CFX96 (Bio-Rad Laboratories), QuantStudio 5 (Applied Biosystems)



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 plasma	Blood serum/plasma
 Technology	Alcohol precipitation	Magnetic sorption
 Package	N (manual)	■ N (manual and semi-automatic) ■ P1 (automatic) ■ P2 (automatic, including DWP)
 Extraction time	1 h 50 min	1 h 30 min
 Number of tests	100 tests	96 tests
 Storage conditions	+2°C...+8°C	+2°C...+25°C; Proteinase K: -22°C...-18°C



Biomaterial
collection



DNA/RNA
extraction



Real-time PCR

Specialized software — automatic interpretation of results and the formation of a response form.
Software DTmaster.



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