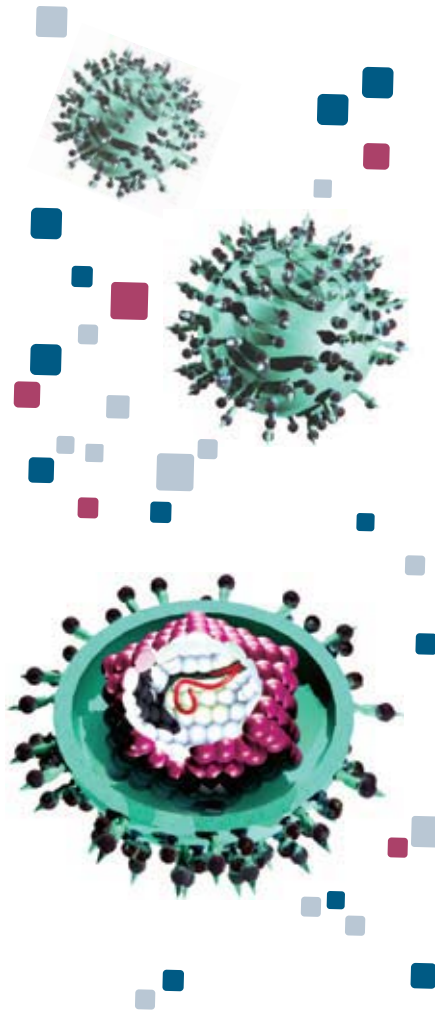


# AmpliSens

biotechnologies



InterLabService (ILS) presents AmpliSens® PCR and Real-Time PCR kits developed and produced by Russian Central Research Institute for Epidemiology

## Key features:

- wide range of pathogen detection
- high specificity and sensitivity
- ready-to-use reagents pre-dispensed into PCR tubes
- cost-effectiveness

## AmpliSens® PCR & Real-Time PCR kits

### Viral Hepatitis

- Direct virus detection in clinical samples
- Early diagnosis within the «serological window» period
- Diagnosis of latent infection
- Quantitation of the viral load
- Genotyping
- Selection of the optimal treatment regimen (based on results of genotyping and quantitative assays)
- Monitoring of treatment efficiency
- Blood testing



## Sampling

### Specimen types:

- peripheral blood plasma (all hepatitis viruses)
- faeces and water sample concentrates (HAV)

## Reverse transcription

### Recommended RT reagents kit:

- Reverta-L (Cat. № K3-4-100-CE / K3-4-50-CE)

## DNA/RNA extraction


**Recommended extraction kits** (based on silica sorbtion, precipitation and magnetic bead methods):

- RIBO-sorb (Cat. № K2-1-Et-100-CE / K2-1-Et-50-CE);
- RIBO-prep (Cat. № K2-9-Et-100-CE / K2-9-Et-50-CE);
- MAGNO-sorb (Cat. № K2-16-1000-CE, K2-16-200-CE).



\* For more detailed information please refer to corresponding instructions and guidelines on our website: [www.interlabservice.ru/en/catalog/](http://www.interlabservice.ru/en/catalog/)

## AmpliSens® PCR and Real-Time PCR kits





### • Hepatitis A virus Detection

Kit	Cat. №	Sensitivity	MAGNO-sorb		RIBO-prep RIBO-sorb	Virus detection & internal control (ic)
			1000 µl	200 µl	100 µl	
AmpliSens® HAV-FL	R-V4(RG,iQ)-CE V4-FEP-CE	copies/ml	50	250	500 (prep)	 <ul style="list-style-type: none"> <li>• ic</li> <li>• HAV</li> </ul>

### • Hepatitis B virus Detection and Quantitation (Q)

Kit	Cat. №	Sensitivity	MAGNO-sorb		RIBO-prep RIBO-sorb	Virus detection & internal control (ic)
			1000 µl	200 µl	100 µl	
AmpliSens® HBV-FL	R-V5-Mod (RG,iQ,Mx,Dt)-CE	IU/ml	10	50	50 (prep) 100 (sorb)	 <ul style="list-style-type: none"> <li>• ic</li> <li>• HBV</li> </ul>
	(RG,iQ,Mx,Dt)-CE V5-FEP-CE	IU/ml	20	100	200	
AmpliSens® HBV-EPh	V5-100-R0,2-CE	copies/ml			1000	<ul style="list-style-type: none"> <li>• ic (770 b.p.)</li> <li>• HBV (470 b.p.)</li> </ul>
AmpliSens® HBV-Monitor-FRT	R-V5-MC (RG,iQ,Mx,Dt)-CE	(Q) IU/ml	15- 1x10 <sup>8</sup>	75- 1x10 <sup>8</sup>	150-1x10 <sup>8</sup>	 <ul style="list-style-type: none"> <li>• ic</li> <li>• HBV</li> </ul>

### • Hepatitis C virus Detection, Quantitation (Q) and Genotyping (G)

Kit	Cat. №	Sensitivity	MAGNO-sorb		RIBO-prep RIBO-sorb	Virus detection & internal control (ic)
			1000 µl	200 µl	100 µl	
AmpliSens® HCV-FL	R-V1-Mod (RG,iQ,Mx,Dt)-CE	IU/ml	10	50	100	 <ul style="list-style-type: none"> <li>• ic</li> <li>• HCV</li> </ul>
	V1-FEP-CE		25	125	250	
AmpliSens® HCV-EPh	V1-100-R0,2-CE	IU/ml			1000	<ul style="list-style-type: none"> <li>• ic (550 b.p.)</li> <li>• HCV (240 b.p.)</li> </ul>
AmpliSens® HCV-Monitor-FL	R-V1-MC (RG,iQ,Mx,Dt)-CE	(Q) IU/ml	30- 1x10 <sup>8</sup>	150- 1x10 <sup>8</sup>	300- 1x10 <sup>8</sup>	 <ul style="list-style-type: none"> <li>• ic</li> <li>• HCV</li> </ul>
	TR-V1-P-M (RG,iQ,Mx,Dt)-CE					
AmpliSens® HCV-1/2/3-FL	R-V1-G-4x (RG,iQ,Mx)-CE	(G) IU/ml			500	 <ul style="list-style-type: none"> <li>• 1</li> <li>• 2</li> <li>• 3</li> <li>• 3</li> <li>• HCV</li> </ul>
	V1-G-FEP-CE				2000	
AmpliSens® HCV-genotype-FL	TR-V1-G-2x (RG,iQ,SC)-CE	(G) IU/ml			1000	 <ul style="list-style-type: none"> <li>• 1b</li> <li>• 3</li> <li>• 1a</li> <li>• 2</li> <li>• ic</li> <li>• 4</li> </ul>
AmpliSens® HCV-genotype-EPh	V1-G50-R0,2-CE	(G) IU/ml			1000	<ul style="list-style-type: none"> <li>• 1a (338 b.p.)</li> <li>• 1b (395 b.p.)</li> <li>• 2 (286 b.p.)</li> <li>• 3a (227 b.p.)</li> </ul>

## Compatible instruments:

**FRT** – Fluorescent Real-Time detection: Rotor-Gene 3000/6000 (Corbett Research), Rotor-Gene Q (QIAGEN), iCycler iQ/iQ5 (Bio-Rad), Mx3000P/3005P (Stratagene), Smart Cycler (Cepheid), DT-96 (DNA-Technology)

**FEP** – Fluorescent End-Point detection: requires an appropriate thermocycler and fluorometer (e.g. ALA-1/4, BioSan)



iCycler iQ/iQ 5  
(Bio-Rad)



Rotor-Gene Q  
(QIAGEN)



Mx3000P/3005P  
(Stratagene)



Smart Cycler  
(Cepheid)



ALA-1/4  
(BioSan)

**EPh** – Electrophoresis in agarose gel: requires an appropriate thermocycler and electrophoretic equipment

## Reagents arrangement:

⇓ reaction mix (primers and probes) is pre-dispensed into individual PCR tubes under wax  
 ⇓ all reagents are in separate vials (not pre-dispensed into PCR tubes) +  
 Taq-F polymerase («hot start»)

## Detecting channels:

FAM/Green	JOE/Yellow
ROX/Orange	Cy5/Red
Cy5.5/Crimson	

### • Hepatitis D virus Detection and Quantitation (Q)

Kit	Cat. №	Sensitivity	MAGNO-sorb		RIBO-prep RIBO-sorb	Virus detection & internal control (ic)
			1000 µl	200 µl	100 µl	
<b>AmpliSens® HDV-FL</b>	R-V3 (RG,iQ,Mx,Dt)-CE	copies/ml	10	50	100	<ul style="list-style-type: none"> <li>ic</li> <li>HDV</li> </ul>
			50	250	500	
<b>AmpliSens® HDV-EPh</b>	V3-100-R0,2-CE	GE/ml			5000	<ul style="list-style-type: none"> <li>ic (550 b.p.)</li> <li>HDV (255 b.p.)</li> </ul>
<b>AmpliSens® HDV-Monitor-FL</b>	R-V3-MC (RG,iQ,Mx,Dt)-CE	(Q) copies/ml	30- 1x10 <sup>8</sup>	150- 1x10 <sup>8</sup>	300- 1x10 <sup>8</sup>	<ul style="list-style-type: none"> <li>ic</li> <li>HDV</li> </ul>

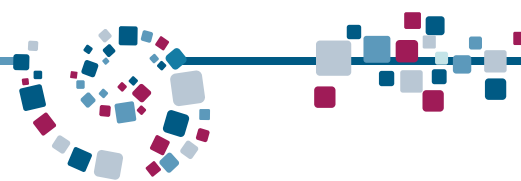
### • Hepatitis G virus Detection

Kit	Cat. №	Sensitivity	RIBO-prep	RIBO-sorb	Virus detection & internal control (ic)
<b>AmpliSens® HGV-FL</b>	R-V2-50-F (RG,iQ,Mx,Dt)-CE	copies/ml	500		<ul style="list-style-type: none"> <li>ic</li> <li>HGV</li> </ul>
<b>AmpliSens® HGV-EPh</b>	V2-100-R0,2-CE	copies/ml		5000	<ul style="list-style-type: none"> <li>ic (550 b.p.)</li> <li>HGV (340 b.p.)</li> </ul>

## AmpliSens® «MultiPrime» kits

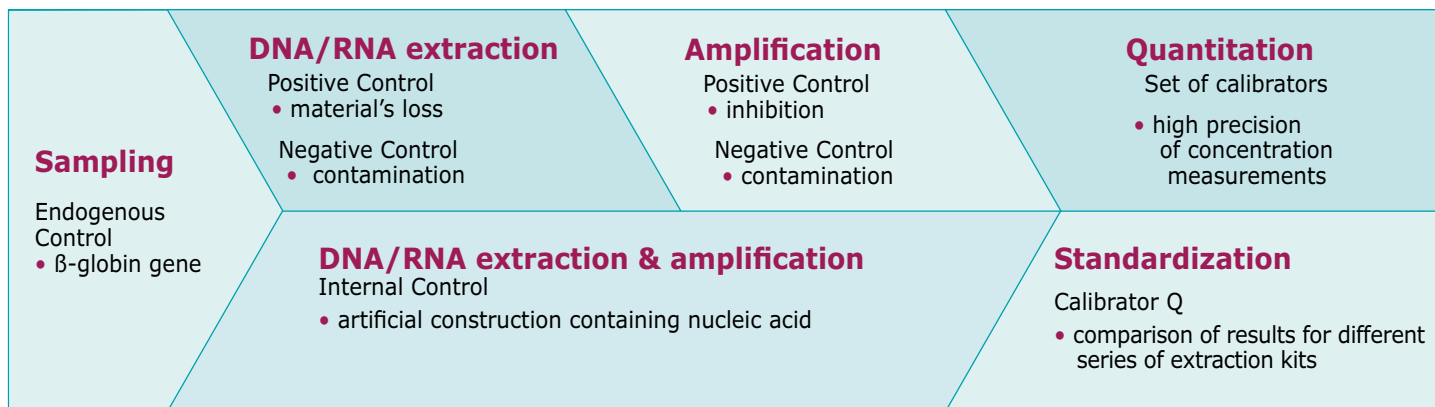
### • Multiplex Pathogen Detection

Kit	Cat. №	Sensitivity	MAGNO-sorb		RIBO-prep RIBO-sorb	Virus detection & internal control (ic)
			1000 µl	200 µl	100 µl	
<b>AmpliSens® HBV/HDV-FL</b>	R-V56 (RG,iQ,Mx,Dt)-CE	HBV, IU/ml	10	50	100	<ul style="list-style-type: none"> <li>ic</li> <li>HBV</li> <li>HDV</li> </ul>
		HDV, copies/ml				
<b>AmpliSens® HBV/HCV/HIV-FL</b>	R-V50-4x (RG,iQ,Mx,Dt)-CE	HCV, IU/ml	10	50	100	<ul style="list-style-type: none"> <li>HCV</li> <li>HIV-1</li> <li>HBV</li> <li>ic</li> <li>HIV-2</li> </ul>
		HBV, IU/ml				
		HIV-1, copies/ml	20	100	200	
		HIV-2, copies/ml	60	300	600	



# AmpliSens® PCR and Real-Time PCR kits

## Entire control of PCR workflow



Exact number of controls is defined to each AmpliSens PCR and Real-Time PCR kit according to their relevance and importance specified by the manufacturer

## Convenient packaging

### • Two variants of packaging:

 <p>kit contains PCR tubes with pre-dispensed reaction mixture under wax</p>	 <p>kit contains individual vials with all necessary reagents:</p> <ul style="list-style-type: none"> <li>• Taq-F polymerase («hot start»)</li> <li>• mixes with primers and probes</li> <li>• buffers</li> </ul>
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For each AmpliSens PCR and Real-Time PCR kit, variants of packaging are mentioned in the Product List and corresponding booklet



### • Pretested DNA/RNA extraction kits, transport and storage media are available



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