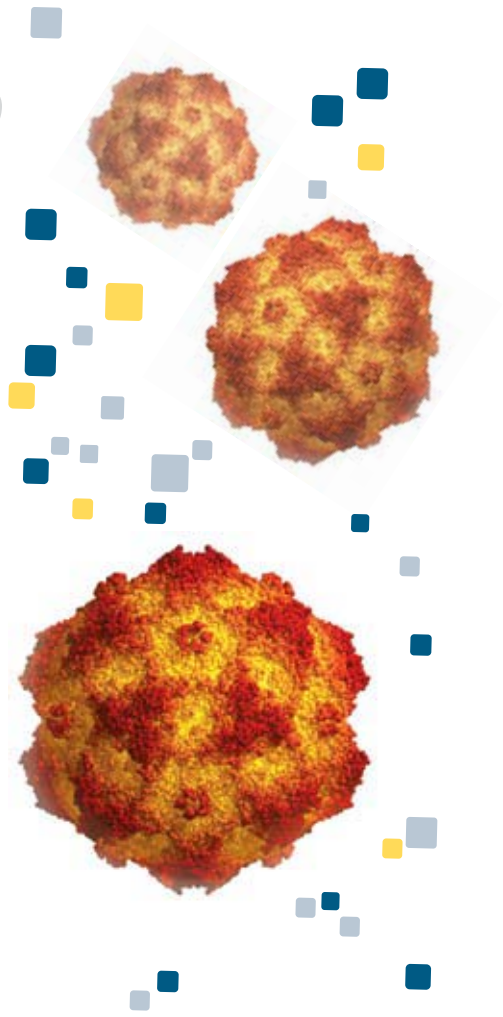


Amplisens

biotechnologies



 **InterLabService**

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

TORCH and Herpesvirus Infections

- Screening of fetal infections
- Confirmation of mother-to-child transmission of infection
- Viral load monitoring
- Monitoring of HIV-positive patients
- Detection of reinfection
- Testing of a wide range of specimen types



Sampling and preservation

Specimen types:

- peripheral/umbilical blood or plasma; white cells of peripheral or umbilical blood; amniotic fluid; cerebrospinal fluid;
- urogenital, rectal and oral swabs; urine samples; prostate gland secretion;
- oropharyngeal washes and swabs; saliva; bronchoalveolar lavage;
- exudate of blisters and erosive-ulcerative lesions of skin and mucosa; biopsy and autopsy material.

Recommended transport media:

- transport medium with mucolytic agent (Cat. № 952-CE);
- transport medium for storage and transportation of respiratory swabs (Cat. № 957-CE).

DNA/RNA extraction

Recommended extraction kits (based on silica sorbtion and precipitation methods):

- DNA-sorb AM (Cat. № K1-11-100-CE / K1-11-50-CE);
- DNA-sorb B (Cat. № K1-2-100-CE / K1-2-50-CE);
- DNA-sorb C (Cat. № K1-6-50-CE);
- RIBO-prep (Cat. № K2-9-Et-100-CE / K2-9-Et-50-CE);
- RIBO-sorb (Cat. № K2-1-Et-100-CE / K2-1-Et-50-CE).

Reverse transcription







Recommended RT reagents kit:

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

* For more detailed information please refer to corresponding instructions and guidelines on our website: www.interlabservice.ru/en/catalog/





AmpliSens® PCR and Real-Time PCR kits

TORCH-infections Detection and Quantitation (Q)




Kit	Cat. №	Sensitivity or linear measurement range	Pathogen detection & internal control (ic)
AmpliSens® Toxoplasma gondii 	R-P1 (RG, iQ, Mx)-CE	400 copies/ml	 • ic • <i>Toxoplasma gondii</i>
AmpliSens® Parvovirus B19 	R-V49 (RG, iQ, Mx)-CE	(Q) 800-1x10 ⁷ copies/ml	 • ic • Parvovirus B19
AmpliSens® Rubella virus 	R-V24-S (RG, iQ, Mx)-CE	400 copies/ml	 • ic • Rubella virus

Herpesvirus infections



• Cytomegalovirus Detection and Quantitation (Q)

Kit	Cat. №	Sensitivity or linear measurement range	Pathogen detection & internal control (ic)
AmpliSens® CMV 	R-V7-F(RG,iQ)-CE	10 ³ copies/ml (urogenital swabs) 2x10 ³ copies/ml (urine)	
AmpliSens® CMV-screen/monitor 	R-V7-100-S(RG,iQ,Mx)-CE	(Q) 500-1x10 ⁷ copies/ml	 • CMV • ic
AmpliSens® CMV 	V7-100-R0,2-FEP-CE	1x10 ³ copies/ml (urogenital swabs) 2x10 ³ copies/ml (urine)	

• Epstein-Bar virus Detection and Quantitation (Q)

Kit	Cat. №	Sensitivity or linear measurement range	Pathogen detection & internal control (ic)
AmpliSens® EBV-screen/monitor 	R-V9-100-S(RG,iQ,Mx)-CE	(Q) ** 500-1x10 ⁷ copies/ml	 • ic • EBV
AmpliSens® EBV 	V9-100-R0,2-CE	* 1x10 ³ copies/ml	• EBV (290 b.p.) • ic (723 b.p.)

• Varicella-Zoster virus Detection

Kit	Cat. №	Sensitivity	Pathogen detection & internal control (ic)
AmpliSens® VZV 	R-V61-50-F(RG)-CE	500 copies/ml	 • ic • VZV

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)

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

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



iCycler iQ/iQ 5
(Bio-Rad)



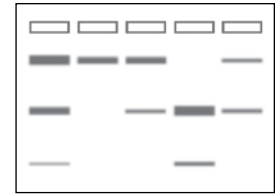
Rotor-Gene Q
(QIAGEN)



Mx3000P/3005P
(Stratagene)



ALA-1/4
(BioSan)



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

• Human herpes virus 6 Detection and Quantitation (Q)

Kit	Cat. №	Sensitivity or linear measurement range	Pathogen detection & internal control (ic)
AmpliSens® HHV-6-screen-titre FRT ⇓	R-V10-T(RG,iQ,Mx)-CE	(Q) 500–1x10 ⁷ copies/ml	<ul style="list-style-type: none"> ic HHV-6
AmpliSens® HHV-6 EPh ⇓	V10-100-R0,2-CE	1x10 ³ copies/ml	<ul style="list-style-type: none"> HHV-6 (380 b.p.) ic (723 b.p.)

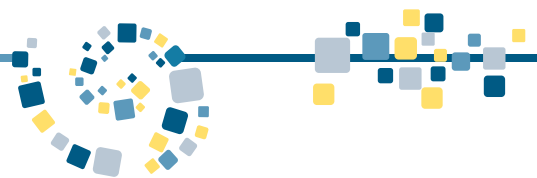
• Herpes simplex virus Detection and Typing (T)

Kit	Cat. №	Sensitivity	Pathogen detection & internal control (ic)
AmpliSens® HSV I, II	FRT ⇓ R-V8-F (RG,iQ)-CE	1x10 ³ copies/ml	<ul style="list-style-type: none"> HSV I,II ic
	FEP ⇓ V8-100-R0,2-FEP-CE	1x10 ³ copies/ml	<ul style="list-style-type: none"> HSV I,II ic
	EPh ⇓ V8-100-R0,2-CE	5x10 ³ copies/ml	<ul style="list-style-type: none"> HSV I,II (430 b.p.) ic (723 b.p.)
AmpliSens® HSV-typing	FRT ⇓ R-V38-F(RG,iQ)-CE	(T) 1x10 ³ copies/ml	<ul style="list-style-type: none"> HSV II HSV I ic
	FEP ⇓ V38-100-R0,2-FEP-CE	(T) 1x10 ³ copies/ml	<ul style="list-style-type: none"> HSV II HSV I ic

AmpliSens® MultiPrime

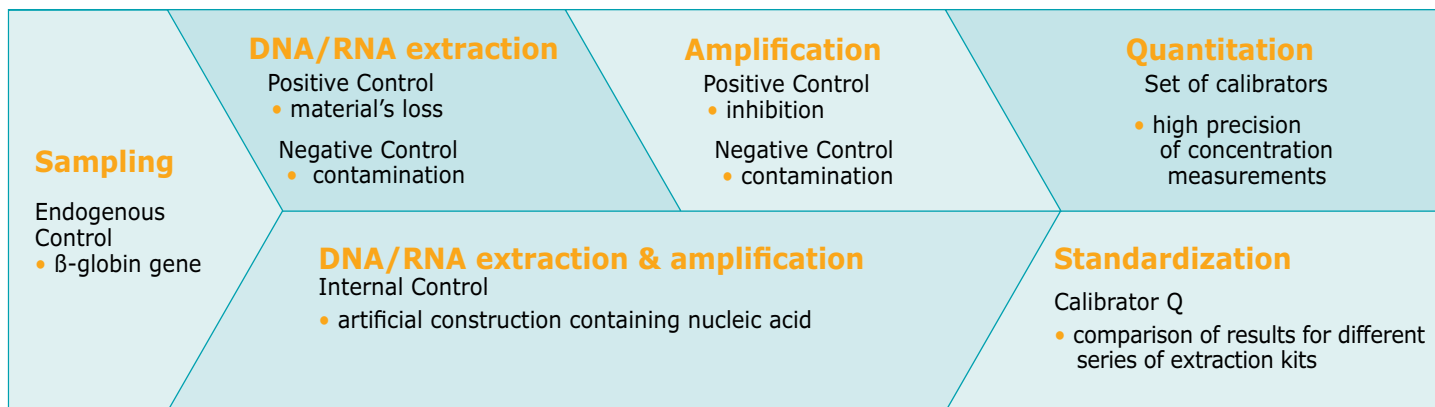
• Multiplex Pathogen Detection

Kit	Cat. №	Sensitivity	Pathogen detection & internal control (ic)
AmpliSens® EBV/CMV/HHV6-screen FRT ⇓	R-V48 (RG,iQ,Mx)-CE	400 copies/ml or 5 DNA copies per 10 ⁵ cells (depending on specimen type)	<ul style="list-style-type: none"> ic EBV CMV HHV-6
AmpliSens® HSV/CMV-MULTIPRIME FRT ⇓	R-V60-F(RG,iQ)-CE	1x10 ³ copies/ml (urogenital swabs) 2x10 ³ copies/ml (urine)	<ul style="list-style-type: none"> HSV CMV ic



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"> • Taq-F polymerase («hot start») • mixes with primers and probes • buffers
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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



Olsuf'evskiy per., 8/1, 119021, Moscow, Russia
 Tel.: +7 (495) 664 28 84 | Fax: +7 (495) 664 28 89
 pcr@interlabservice.ru