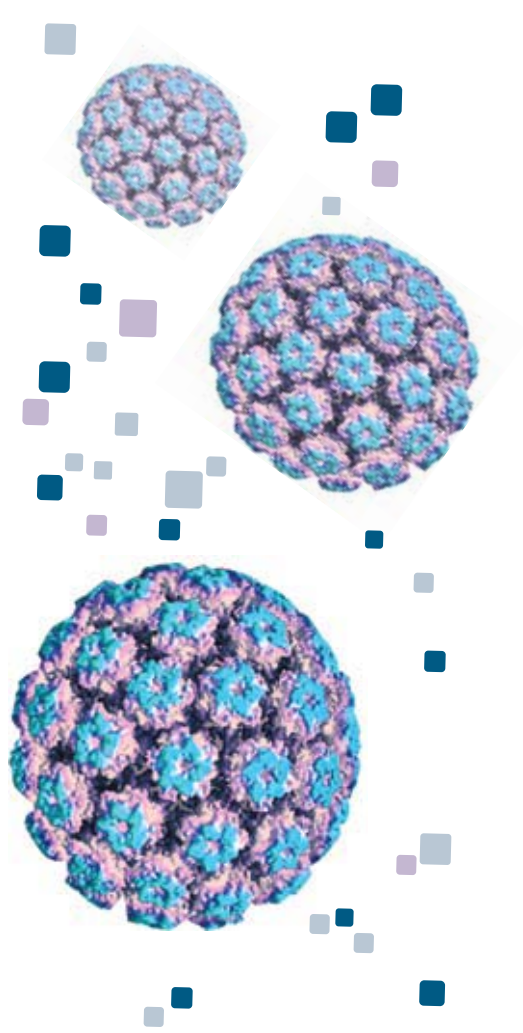


AmpliSens

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

Human Papillomavirus

- Wide range of HCR HPV genotypes detection
- Genotyping
- Viral load monitoring
- Resolving of equivocal results of colposcopy and cytology
- Use with media for liquid-based cytology
- Control of clinical specimens validity

Sampling and preservation

Specimen types:

- cervical, vaginal, urethral, transformation zone swabs
- mucosal biopsy

Transport media with mucolytic agent (Cat. № 952-CE) is available for appropriate sample handling.

DNA extraction

Extraction kits:

- based on silica sorbition methods
- include endogenous internal control (human β -globin gene) for quality monitoring of the sampling step

DNA-sorb AM (Cat. № K1-11-100-CE; K1-11-50-CE), DNA-sorb B (Cat. № K1-2-100-CE; K1-2-50-CE) and DNA-sorb C (Cat. № K1-6-50-CE) are recommended for DNA extraction.










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

High-Risk HPV AmpliSens® PCR and Real-Time PCR kits

- Detection of 12 most common High-Risk HPV types
- No cross detection with Low-Risk HPV genotypes











Screening

- Detection of clinically relevant HPV viral load

Kit	Cat. №	Virus detection & internal control (β -globin)
AmpliSens® HPV HCR-Screen  FEP 	V31-FEP-CE	 <ul style="list-style-type: none"> • HPV A7 (39, 59), A9 (31, 35) • HPV A9 (16)
AmpliSens® HPV HCR-Screen  FEP 	V31-3x-FEP-CE	 <ul style="list-style-type: none"> • HPV A7 (18, 45), A9 (33, 52, 58, 67) • β-globin
AmpliSens® HPV HCR-Screen  EPh 	V31-100F-CE	 <ul style="list-style-type: none"> • HPV A6 (53,56,66), A7 (18, 39, 45, 59, 70), A9 (16, 31, 33, 35, 52, 58) • β-globin

Viral load monitoring

- Evaluation of HPV viral load

Kit	Cat. №	Virus detection & internal control (β -globin)
AmpliSens® HPV HCR-screen-titre  FRT 	R-V31-T-4x (RG,iQ,Mx)-CE	 <ul style="list-style-type: none"> • HPV 16, 18, 33, 35, 52, 58 • HPV 18, 39, 45, 59 • HPV 51, 56 • β-globin
AmpliSens® HPV HCR-screen-titre  FRT 	R-V31-T-2x (RG,iQ,SC)-CE	 <ul style="list-style-type: none"> • HPV 16, 31, 33, 35, 52, 58 • β-globin  <ul style="list-style-type: none"> • HPV 18, 39, 45, 51, 56, 59 • β-globin
AmpliSens® HPV 16/18  FRT 	R-V12 (RG,iQ,Mx)-CE	 <ul style="list-style-type: none"> • HPV 16 • HPV 18 • β-globin

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)

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

Genotyping

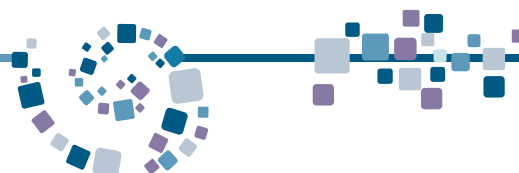
- o Detection and differentiation of High-Risk HPV genotypes

Kit		Cat. N°	Virus detection & internal control (β-globin)
AmpliSens® HPV HCR-genotype	FRT ⇨	R-V25 (RG,iQ,Mx)-CE	<ul style="list-style-type: none"> • HPV 16 HPV 31 HPV 18 β-globin • HPV 39 HPV 45 HPV 59 β-globin • HPV 33 HPV 35 HPV 56 β-globin • HPV 58 HPV 52 HPV 51 β-globin
AmpliSens® HPV HCR-Screen	EPh ⇨	V25-50F-CE	<ul style="list-style-type: none"> • Tube 16-35 HPV 16 HPV 31 HPV 33 HPV 35 β-globin • Tube 18-59 HPV 18 HPV 39 HPV 45 HPV 59 β-globin • Tube 52-66 HPV 52 HPV 56 HPV 58 HPV 66 β-globin
AmpliSens® HPV 16/18	FEP ⇨	V12-FEP-CE	<ul style="list-style-type: none"> • HPV 16 • HPV 18 • β-globin
AmpliSens® HPV 16/18	EPh ⇓	V12-100-R0,2-CE	<ul style="list-style-type: none"> • HPV 16 • HPV 18 • β-globin
AmpliSens® HPV 31/33	EPh ⇓	V13-100-R0,2-CE	<ul style="list-style-type: none"> • HPV 31 • HPV 33
AmpliSens® HPV 35/45	EPh ⇓	V14-100-R0,2-CE	<ul style="list-style-type: none"> • HPV 35 • HPV 45

Low-Risk HPV AmpliSens® PCR kits

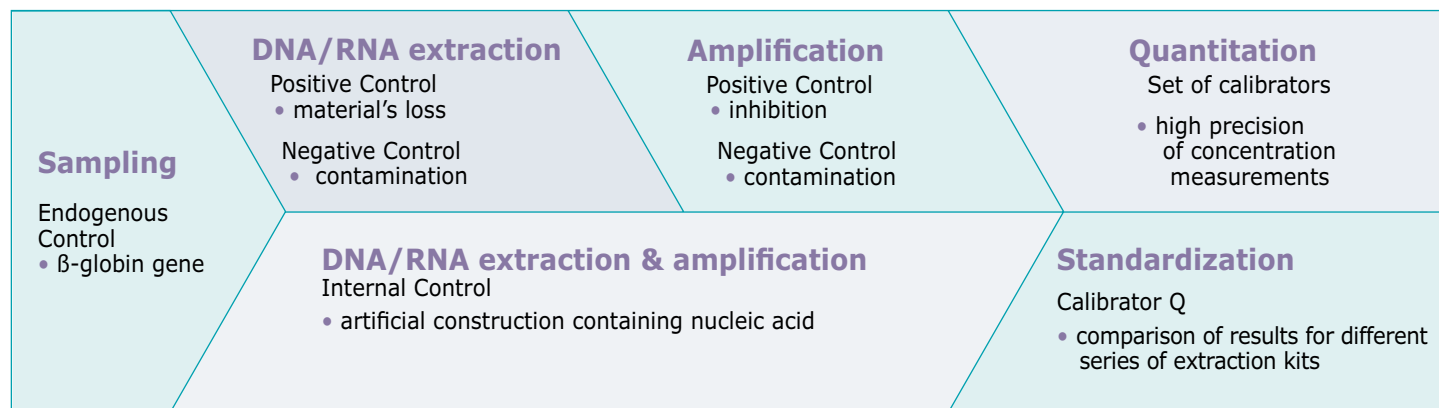
- o Detection and genotyping of 2 most common Low Risk HPV types – 6 and 11

Kit		Cat. N°	Virus detection & internal control (β-globin)
AmpliSens® HPV 6/11	FRT ⇨	R-V11 (RG,iQ,Mx)-CE	<ul style="list-style-type: none"> • HPV 6 • HPV 11 • β-globin
AmpliSens® HPV 6/11	FEP ⇨	V11-FEP-CE	<ul style="list-style-type: none"> • HPV 6 • HPV 11 • β-globin
AmpliSens® HPV 6/11	EPh ⇓	V11-100-R0,2-CE	<ul style="list-style-type: none"> • HPV 6 • HPV 11 • β-globin



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



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