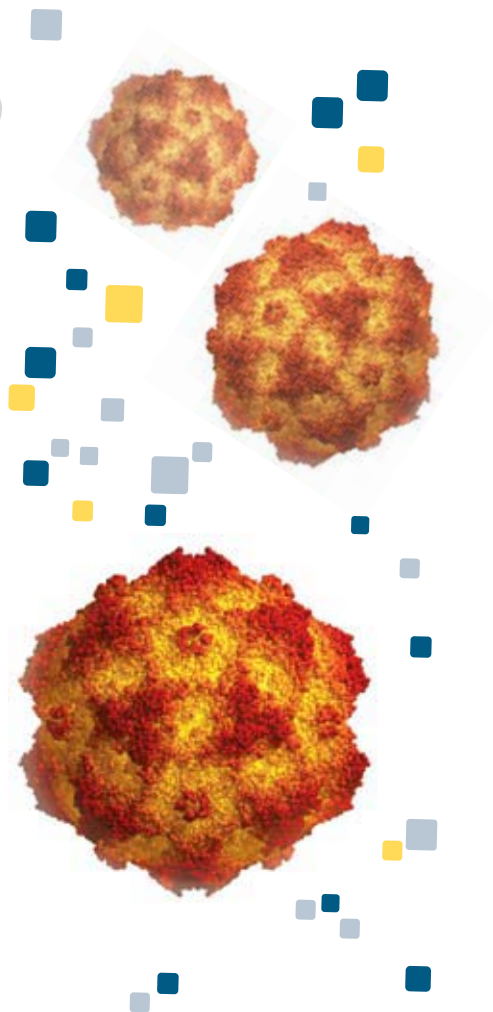


AmpliSens[®]

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

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 sorbion 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.) |

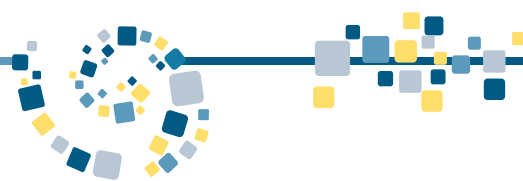
• Herpes simplex virus Detection and Typing (T)

| 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 <ul style="list-style-type: none"> ic |
| | FEP ⇓ | V38-100-R0,2-FEP-CE | (T) 1x10 ³ copies/ml | <ul style="list-style-type: none"> HSV II HSV I <ul style="list-style-type: none"> ic |

AmpliSens® MultiPrime

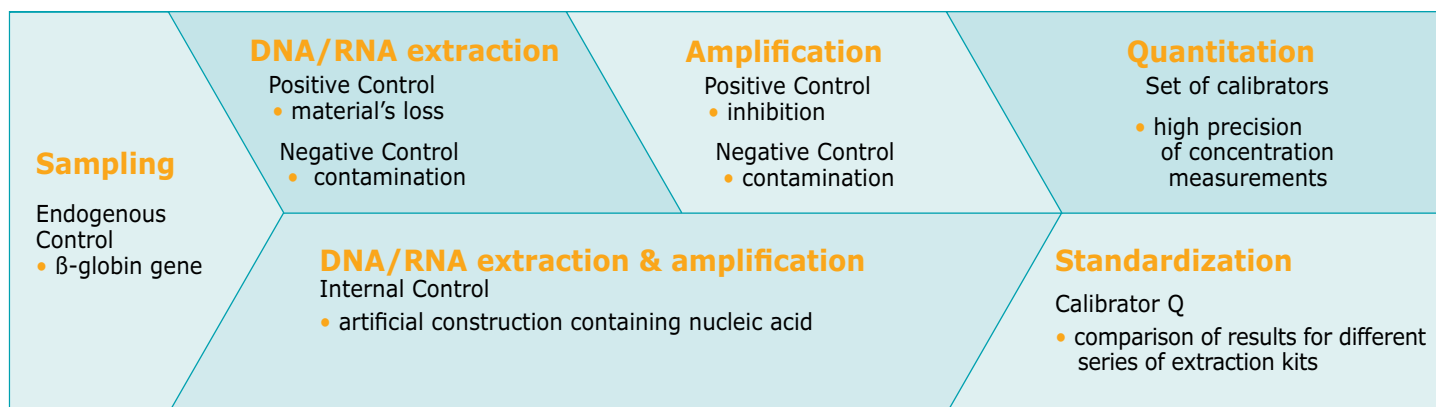
• Multiplex Pathogen Detection

| 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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:

| | |
|---|---|
|  kit contains PCR tubes with pre-dispensed reaction mixture under wax |  kit contains individual vials with all necessary reagents: <ul style="list-style-type: none">• Taq-F polymerase («hot start»)• mixes with primers and probes• buffers |
|---|---|

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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