

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

Sexually Transmitted Infections

- Epidemiological screening
- Etiological diagnosis
- Control of treatment
- Detection of reinfection
- Wide range of specimen types

Overview

Sexually Transmitted Infections (STIs) are spread worldwide. Initiation of an early treatment is essential and is conditioned by the timely diagnosis of the infection. Delay in diagnosis may result in, e.g. reproductive disorders, complications during pregnancy or neonatal period, and significantly increases the risk of HIV acquisition. In terms of analytical and/or diagnostic sensitivity and specificity, routine tests employing different microscopy techniques, ELISA, or even culturing might misguide accurate diagnosis of STIs. Nucleic acid amplification testing, particularly PCR, is now considered as an adequate response to clinical laboratory needs.

Sampling and preservation

Range of specimen types:

- Cervical, vaginal (including self-collected samples), urethral swabs
- Urine; prostatic secretion; ejaculate
- Swabs from genital ulcers; rectal swabs
- Conjunctival, throat swabs

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

DNA extraction




































Extraction kits:

- based on silica sorbion methods
- include non-competitive internal control (IC) for quality monitoring during all steps of the assay

DNA-sorb-AM (Cat. № K1-11-100-CE) and DNA-sorb-B (Cat. № K1-2-100-CE) kits are recommended for DNA extraction.

* 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

Kit		Cat. №	Pathogen detection & internal control (ic)
AmpliSens® Chlamydia trachomatis	 FRT ↗	R-B1-F(RG,iQ)-CE	 • <i>Chlamydia trachomatis</i> • ic
	 FEP ↓↓	B1-100-R0,2-FEP-CE	
	 EPh ↓↓	B1-100-R0,2-CE	
AmpliSens® Neisseria gonorrhoeae-screen	 FRT ↗	R-B51-F(RG,iQ)-CE	 • <i>Neisseria gonorrhoeae</i> • ic Screening test
	 FEP ↓↓	B51-100-R0,2-FEP-CE	
AmpliSens® Neisseria gonorrhoeae-test	 FRT ↗	R-B56-F(RG,iQ)-CE	 • <i>Neisseria gonorrhoeae</i> • ic Screening and confirmation test
	 FEP ↓↓	B56-100-R0,2-FEP-CE	
AmpliSens® Neisseria gonorrhoeae	 EPh ↓↓	B24-100-R0,2-CE	Screening and confirmation test
AmpliSens® Treponema pallidum	 FRT ↗	R-B20-F(RG,iQ)-CE	 • <i>Treponema pallidum</i> • ic
	 FEP ↓↓	B20-100-R0,2-FEP-CE	
	 EPh ↓↓	B20-100-R0,2-CE	
AmpliSens® Trichomonas vaginalis	 FRT ↗	R-B6-F(RG,iQ)-CE	 • <i>Trichomonas vaginalis</i> • ic
	 FEP ↓↓	B6-100-R0,2-FEP-CE	
	 EPh ↓↓	B6-100-R0,2-CE	
AmpliSens® Mycoplasma genitalium	 FRT ↗	R-B4-F(RG,iQ)-CE	 • <i>Mycoplasma genitalium</i> • ic
	 FEP ↓↓	B4-100-R0,2-FEP-CE	
	 EPh ↓↓	B4-100-R0,2-CE	
AmpliSens® Mycoplasma hominis	 FRT ↗	R-B3-F(RG,iQ)-CE	 • <i>Mycoplasma hominis</i> • ic
	 FEP ↓↓	B3-100-R0,2-FEP-CE	
	 EPh ↓↓	B3-100-R0,2-CE	
AmpliSens® Ureaplasma spp.	 FRT ↗	R-B2-F(RG,iQ)-CE	 • <i>Ureaplasma spp.</i> • ic Screening test
	 FEP ↓↓	B2-100-R0,2-FEP-CE	
	 EPh ↓↓	B2-100-R0,2-CE	
AmpliSens® Candida albicans	 FRT ↗	R-F1-F(RG,iQ)-CE	 • <i>Candida albicans</i> • ic
	 FEP ↓↓	F1-100-R0,2-FEP-CE	
	 EPh ↓↓	F1-100-R0,2-CE	

- Positive and negative controls of amplification are included in every panel.

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) equipment

EPh – Electrophoresis in agarose
gel: requires an appropriate
thermocycler and electropho-
retic equipment



iCycler iQ/iQ 5
(Bio-Rad)



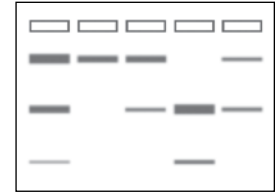
Rotor-Gene Q
(QIAGEN)



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»)

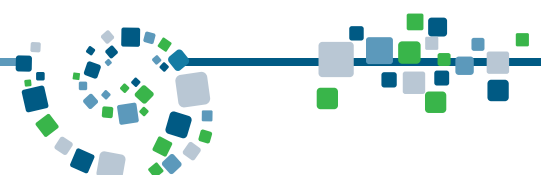
Detecting channels:

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

AmpliSens® «MultiPrime» kits (Multiplex Pathogen Detection)

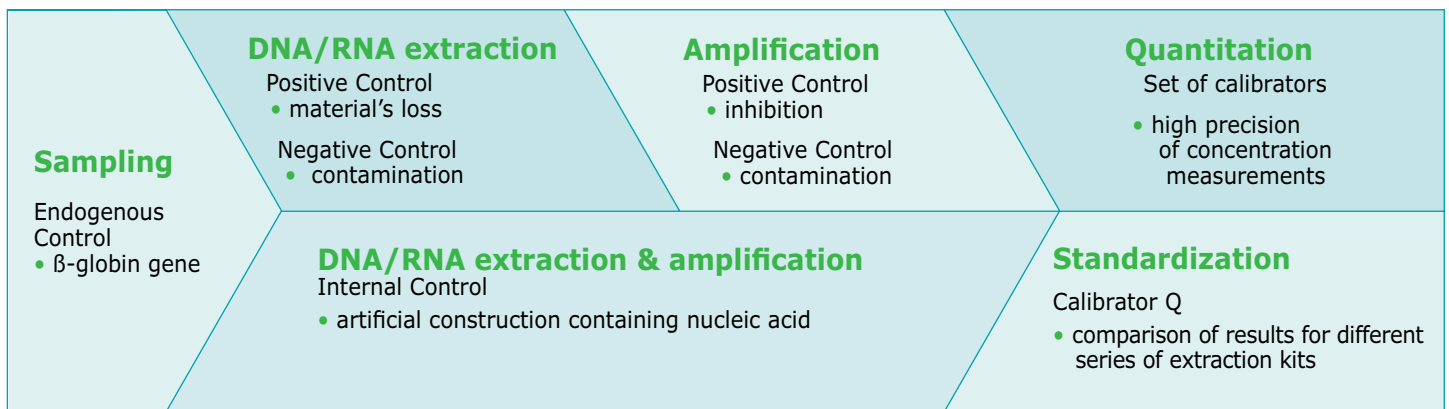
Kit	Cat. Nº	Pathogen detection & internal control (ic)
AmpliSens® N.gonorrhoeae C.trachomatis / M.genitalium / T.vaginalis-MULTIPRIME for Rotor-Gene 6000 & Q only	R-B61-F(RG)-CE	<ul style="list-style-type: none"> • <i>Neisseria gonorrhoeae</i> • <i>Chlamydia trachomatis</i> • <i>Mycoplasma genitalium</i> • ic • <i>Trichomonas vaginalis</i>
AmpliSens® C.trachomatis / Ureaplasma / M.genitalium / M.hominis-MULTIPRIME for Rotor-Gene 6000 & Q only	R-B60-F(RG)-CE	<ul style="list-style-type: none"> • <i>Chlamydia trachomatis</i> • <i>Ureaplasma spp.</i> • <i>Mycoplasma genitalium</i> • ic • <i>Mycoplasma hominis</i> Screening and conformation tests
AmpliSens® C.trachomatis / Ureaplasma / M.genitalium- MULTIPRIME	R-B46-F(RG,iQ)-CE B46-100-R0,2-FEP-CE	<ul style="list-style-type: none"> • <i>Chlamydia trachomatis</i> • <i>Ureaplasma spp.</i> • <i>Mycoplasma genitalium</i> • ic Screening test
AmpliSens® C.trachomatis / Ureaplasma / M.hominis-MULTIPRIME	R-B43-F(RG,iQ)-CE B43-100-R0,2-FEP-CE	<ul style="list-style-type: none"> • <i>Chlamydia trachomatis</i> • <i>Ureaplasma spp.</i> • <i>Mycoplasma hominis</i> • ic
AmpliSens® C.trachomatis / Ureaplasma-MULTIPRIME	B47-100-R0,2-FEP-CE	<ul style="list-style-type: none"> • <i>Chlamydia trachomatis</i> • <i>Ureaplasma spp.</i> • ic
AmpliSens® C.albicans / C.glabrata / C.krusei	R-F3-F(RG,iQ)-CE	<ul style="list-style-type: none"> • <i>Candida albicans</i> • <i>Candida glabrata</i> • <i>Candida krusei</i> • ic

- Positive and negative controls of amplification are included in every panel.



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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