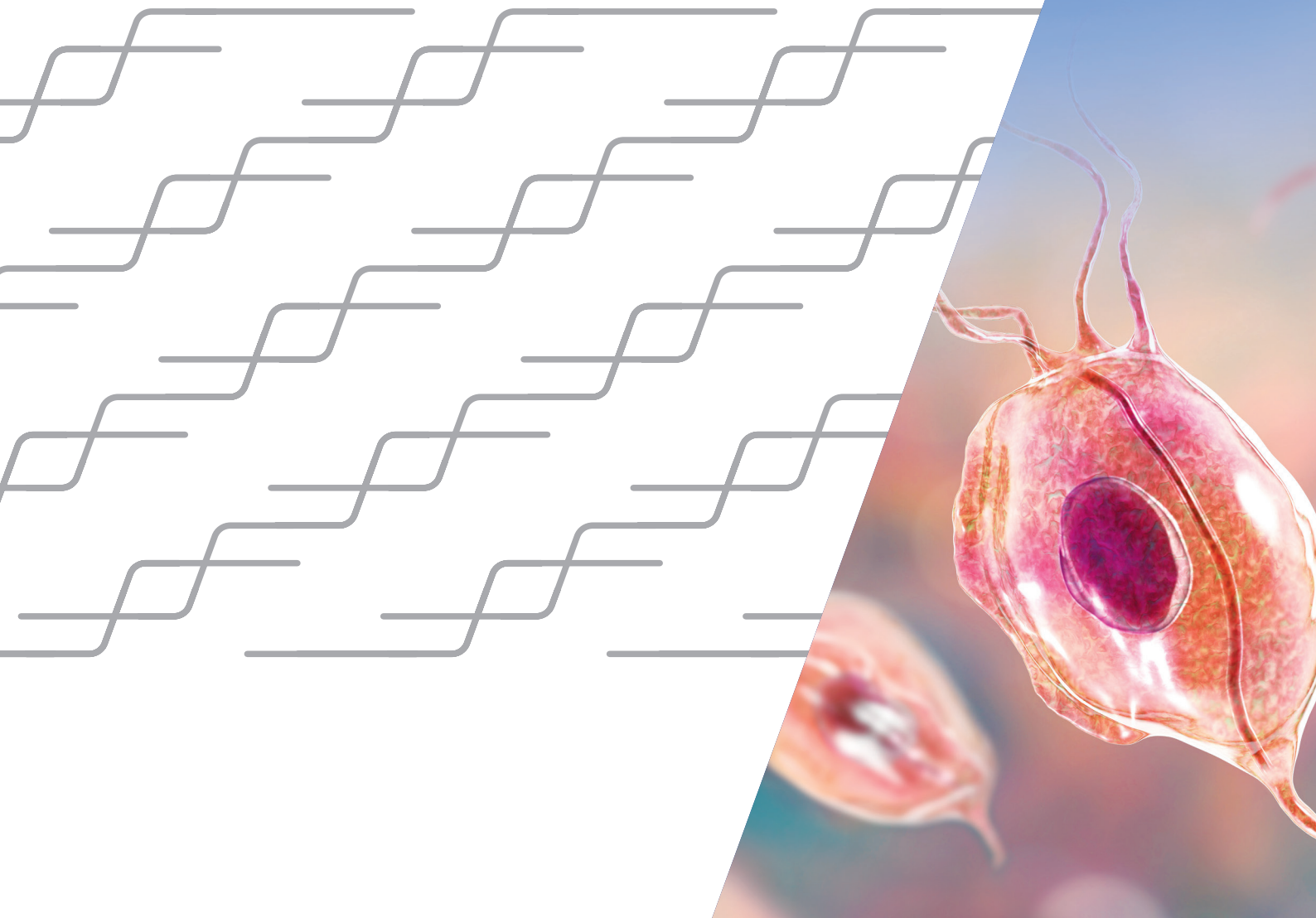




Real-time PCR Diagnostic Kits

Sexually
Transmitted Infections

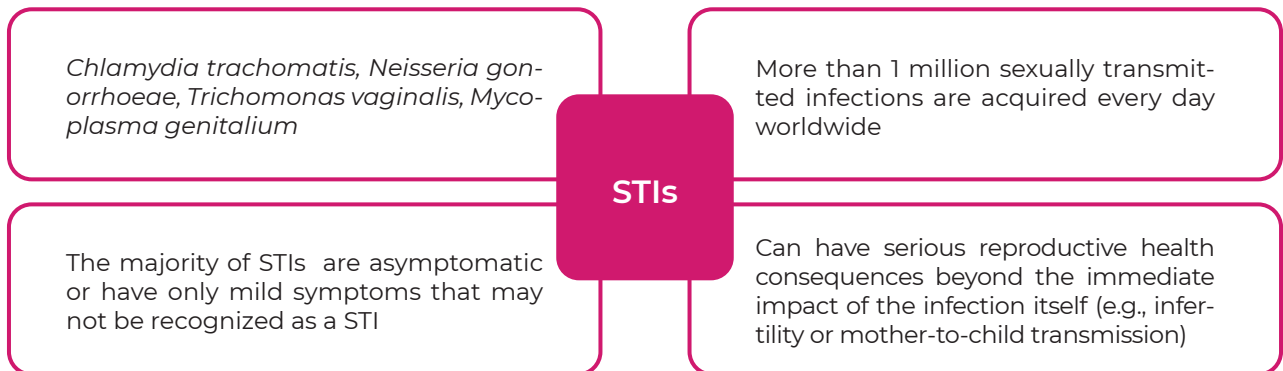


Sexually Transmitted Infections



More than 30 bacterial, viral, and parasitic pathogens are potential causing agents of sexually transmitted infections (STIs). Their symptoms tend to be non-specific, moreover, all STIs may occur in an asymptomatic form and be unrecognized by infected persons. Such individuals can transmit the infection to others and may be at risk of complications, which include reproductive disorders, infertility, complications during pregnancy or neonatal period, and others. That is why the earlier the infection is detected and treated there are more chances to recover from it without complications.

Main sexually transmitted pathogens

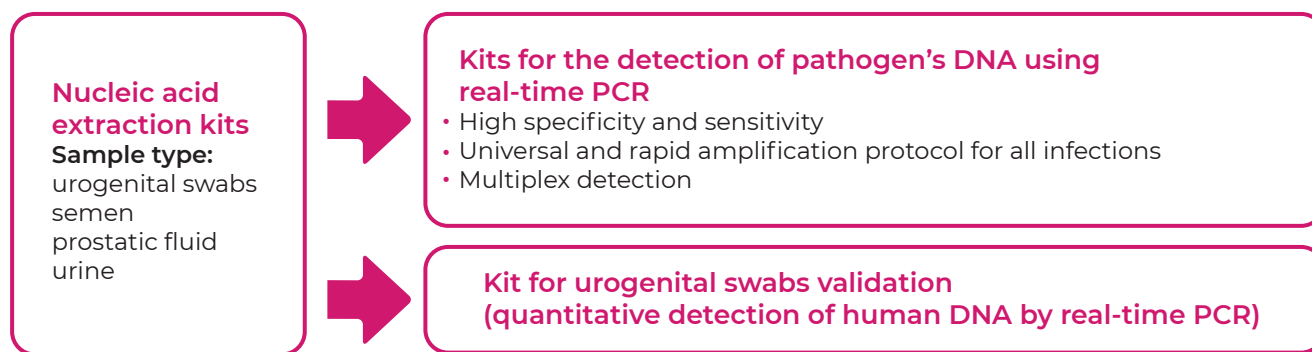


Due to improved test accuracy, convenience of specimen processing, and ease of screening the real-time polymerase chain reaction (PCR) an assay has a big potential for diagnostics of STIs:



- Screening of asymptomatic carriers
- Identification of diseases etiology
- Monitoring the effectiveness of treatment
- Determining of drug resistance
- Genotyping, identification of bacterial strains
- Quantification of the pathogen content

The RealBest assay kits for STIs diagnostics



Features of RealBest kits



- Easy-to-use: just add a sample of eluted DNA into tube with Lyophilized Ready Master Mix;
- Reliability of analysis: kit contains Noncompetitive Internal Control sample;
- High sensitivity: 100 copies (genome-equivalents) per sample;
- Universal and rapid amplification protocol for all infections;
- Convenience of storage and transportation: no freezing required, transportation up to 26 °C for no more than 10 days is acceptable

Compatible thermal cyclers: CFX96 (Bio-Rad, USA), DTprime (DT-96), DTlite (DNA-Technology, Russia), Gentier 96E/R (Xi'an TianLong, Science and Technology Co., Ltd., China).

It is possible to use other thermal cyclers with similar technical characteristics, but their application requires additional validation.

 Kits for nucleic acids extraction			
Cat. №	Kit Name	Method	Number of tests
8896	RealBest extraction 100 A kit for manual DNA/RNA extraction from whole blood, blood serum/plasma, leukocyte blood fraction, biopsy material, cerebrospinal fluid, urine, feces, epithelial cell specimens, environmental materials (tick suspensions, water samples).	Precipitation with magnetic particles	48 (8x6)
8883	RealBest UniMag A kit for automated DNA/RNA extraction from blood serum (plasma), leukocyte blood fraction, biopsy material, cerebrospinal fluid, urine (DNA extraction only), feces, epithelial cells specimens, environmental materials (tick suspensions, water samples).	Sorption on magnetic particles	96 (4x24)
8889	RealBest DNA-extraction 3 (variant 6x16) A kit for manual DNA extraction from blood serum/plasma, urine, epithelial cell specimens.	Sorption on magnetic particles	96 (6x16)
8878	RealBest DNA-extraction 3 (variant 2x48) A kit for automated DNA extraction from blood serum/plasma, urine, epithelial cell specimens.	Sorption on magnetic particles	96 (2x48)
8899	RealBest DNA-express A kit for manual DNA extraction from epithelial cell specimens from the cervical canal, urethra, vagina, posterior laryngeal wall, conjunctiva; semen, saliva, urine.	Thermolysis during 15 min	100



Kits for STIs detection by real-time PCR

Cat. №	Kit Name	Detection Channels	Number of tests
8888 CE	RealBest Sample Validation (set 1) Quantitative evaluation of human DNA content in clinical specimens	FAM, ROX	96
1998	RealBest DNA Chlamydia trachomatis (set 1) Detection of <i>Chlamydia trachomatis</i> DNA	FAM, ROX	96
2098 CE	RealBest DNA Trichomonas vaginalis (set 1) Detection of <i>Trichomonas vaginalis</i> DNA	FAM, ROX	96
4396 CE	RealBest DNA Mycoplasma genitalium (set 1) Detection of <i>Mycoplasma genitalium</i> DNA	FAM, ROX	96
4498 CE	RealBest DNA Neisseria gonorrhoeae (set 1) Detection of <i>Neisseria gonorrhoeae</i> DNA	FAM, ROX	96
4494 CE	RealBest DNA Neisseria gonorrhoeae test 2 (set 1) Detection of <i>Neisseria gonorrhoeae</i> DNA	FAM, ROX	96
1898 CE	RealBest DNA Treponema pallidum (set 1) Detection of <i>Treponema pallidum</i> DNA	FAM, ROX	48
0455	RealBest DNA Chlamydia trachomatis/Ureaplasma species (set 1) Differential detection of <i>Chlamydia trachomatis</i> and <i>Ureaplasma species</i> DNA	FAM, ROX, HEX	96
0492	RealBest DNA Chlamydia trachomatis/Ureaplasma urealyticum (set 1) Differential detection of <i>Chlamydia trachomatis</i> and <i>Ureaplasma urealyticum</i> DNA	FAM, ROX, HEX	96
0490	RealBest DNA Chlamydia trachomatis/Mycoplasma genitalium (set 1) Differential detection of <i>Chlamydia trachomatis</i> and <i>Mycoplasma genitalium</i> DNA	FAM, ROX, HEX	96
0498	RealBest DNA Chlamydia trachomatis/Trichomonas vaginalis (set 1) Differential detection of <i>Chlamydia trachomatis</i> and <i>Trichomonas vaginalis</i> DNA	FAM, ROX, HEX	96
0457	RealBest DNA Chlamydia trachomatis/Neisseria gonorrhoeae (set 1) Differential detection of <i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> DNA	FAM, ROX, HEX	96
0494 CE	RealBest DNA Mycoplasma hominis/Mycoplasma genitalium (set 1) Differential detection of <i>Mycoplasma hominis</i> and <i>Mycoplasma genitalium</i> DNA	FAM, ROX, HEX	96
0496 CE	RealBest DNA Trichomonas vaginalis/Neisseria gonorrhoeae (set 1) Differential detection of <i>Trichomonas vaginalis</i> and <i>Neisseria gonorrhoeae</i> DNA	FAM, ROX, HEX	96
0477 CE	RealBest DNA Trichomonas vaginalis/Gardnerella vaginalis (set 1) Differential detection of <i>Trichomonas vaginalis</i> and <i>Gardnerella vaginalis</i> DNA	FAM, ROX, HEX	96
0444 CE	RealBest DNA Candida albicans/Gardnerella vaginalis (set 1) Differential detection of <i>Candida albicans vaginalis</i> and <i>Gardnerella vaginalis</i> DNA	ROX, HEX	96
0488	RealBest PCR-12 STD Differential detection of <i>Chlamydia trachomatis</i> , <i>Ureaplasma species</i> , <i>Mycoplasma hominis</i> , <i>Mycoplasma genitalium</i> , <i>Trichomonas vaginalis</i> , <i>Neisseria gonorrhoeae</i> , <i>Candida albicans</i> , <i>Gardnerella vaginalis</i> , cytomegalovirus, herpes simplex virus types 1 and 2, human papillomavirus types 16 and 18 DNA	FAM, ROX, HEX	96

Kits for HPV detection contain the lyophilized Ready Master Mix into 0.2 ml white tubes of the 96-tube plate.

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