Product catalogue for PCR diagnostics

AmpliSens®

PCR kits are indispensable reagents in molecular biology laboratories used for nucleic acid amplification.

More than 23 years of production of medical products for in vitro diagnostics.

Our Research and Production Complex complies with EN ISO 13485:2016, GOST ISO 13485-2017, GMP, and production capacity is more than 800,000 units per year.

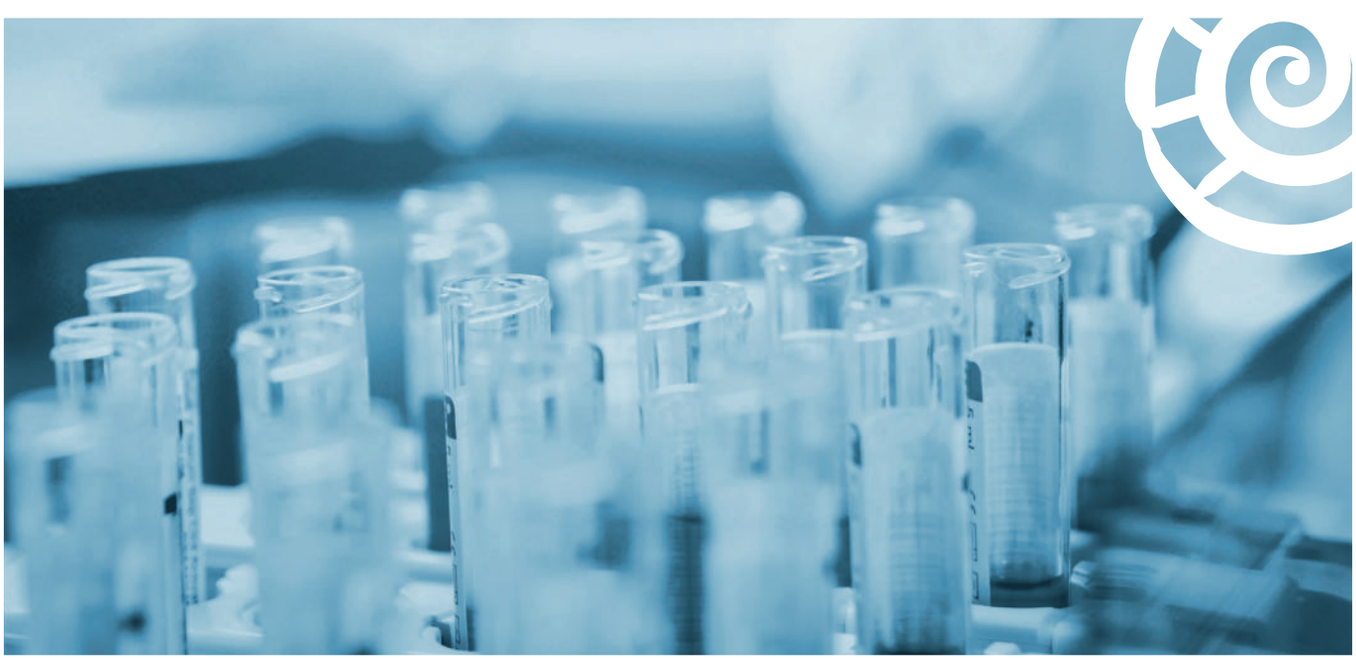
Carefully calibrated proportions of the Amplisens reagent kits allow the user to significantly save time on the experiment, as well as provide a guarantee in obtaining a more accurate reproducible result of the reaction.

We offer a wide range of AmpliSens reagent kits for various steps of PCR analysis :

reagent kits for transportation and pre-treatment biomaterial pretreatment reagents, reagents for nucleic acid extraction, kits for classical PCR , as well as kits for reverse transcription and OT-PCR (reverse transcription PCR).

The main advantages of working with AmpliSens reagent kits are:

- wide range of infections detected;
- quality and optimised composition of the starting components;
- reduced likelihood of contamination by system for prevention of contamination by amplicons;
- simplicity in experiment preparation, availability of detailed instructions;
- efficiency of application, due to high sensitivity and specificity;
- automation of laboratory research using ARTS Software.



PRODUCT CATALOGUE FOR PCR DIAGNOSTICS

Reagent kits for PCR diagnostics

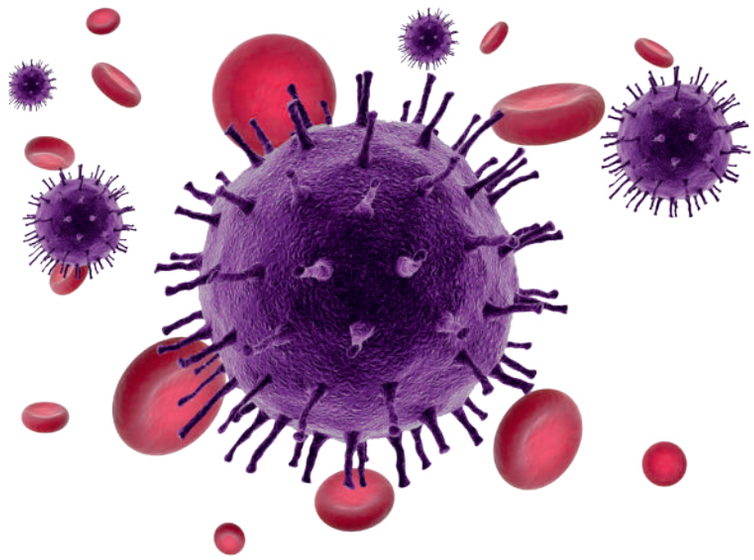
HUMAN IMMUNODEFICIENCY VIRUS INFECTION

HIV infection is an infectious disease caused by the human immunodeficiency virus (HIV).

It is distinguished by specific immune system damage. The disease has a prolonged course and results in the development of acquired immunodeficiency syndrome (AIDS).

Molecular analysis methods in the diagnosis of HIV infection enable:

- early diagnosis of possible infection detect viral DNA/ RNA in children under 18 months of age, born to HIV-infected mothers;
- detection of HIV DNA/RNA during the 'serological window' (when the virus has already entered the body and is multiplying, but antibodies have not yet formed);
- confirm the diagnosis in case of doubtful and discordant results of antigen determination and antibodies to the virus by determining HIV DNA/RNA;
- quantitative determination of HIV RNA is analyzed at the prescribing stage antiretroviral therapy and further monitoring of the effectiveness of therapy.



REF	Name	Reagent kit description	Test quantity
H-4513-1-CE	**AmpliSens® Hemo-screen-FRT PCR kit**	for simultaneous detection of hepatitis C virus RNA (HCV), hepatitis B virus DNA (HBV) and human immunodeficiency virus RNA (HIV) in the biological material (blood plasma) using real-time hybridization-fluorescence detection	100
H-4512-1-CE			100
H-4511-1-CE* (variant FRT-4x)			100

** HIV-2 RNA is not being detected when using variant FRT-4x*

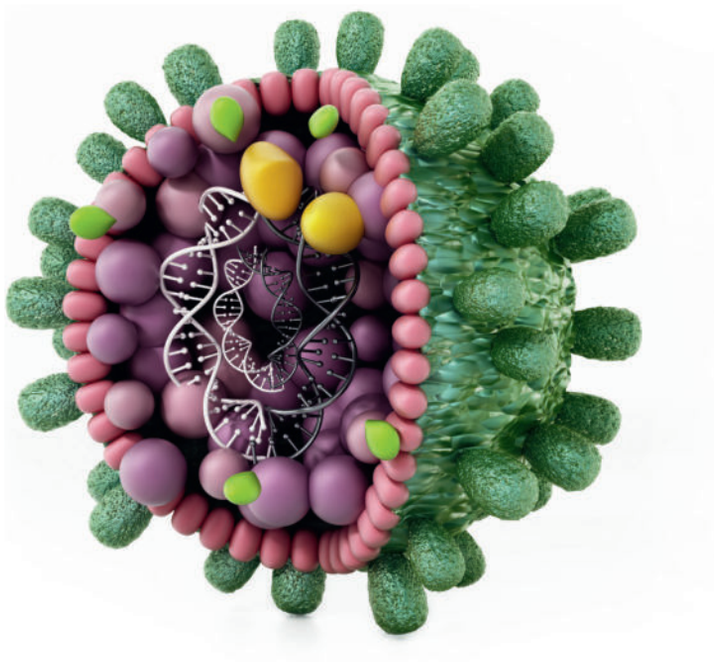
TR-V0-G(RG,iQ)-CE	**AmpliSens® DNA-HIV-FRT PCR kit**	for qualitative detection of human immunodeficiency virus type 1 (HIV-1) proviral DNA in the biological material (whole blood) using real-time hybridization-fluorescence detection	100
R-V0-MC (RG,iQ,Mx,Dt)-CE	**AmpliSens® HIV-Monitor-FRT PCR kit**	for quantitative detection of human immunodeficiency virus type 1 (HIV-1) RNA in the biological material (blood plasma) using real-time hybridization-fluorescence detection	80
R-O2(RG,iQ)-CE	**AmpliSens® Genoscreen HLA B*5701-FRT PCR kit**	for the detection of B locus 5701 allele of human major histocompatibility complex (HLA B*5701) in the biological material (whole blood and oropharyngeal swabs) using real-time hybridization-fluorescence detection	110

VIRAL HEPATITIS

Viral hepatitis is a group of human infectious diseases caused by viruses from various families. These viruses have various modes of transmission. The primary feature of the clinical pattern is liver damage.

Molecular analysis methods in the diagnosis of viral hepatitis enable:

- detection of viral DNA/RNA for early diagnosis of viral hepatitis during the incubation period;
- evaluation of the pathogen concentration;
- determination of the viral genotype (subtype);
- identification of clinically significant mutations in the pathogen genome;
- detection of the major agent in the diagnosis of viral hepatitis of a combined aetiology;
- evaluation of the efficacy of antiviral therapy of hepatitis and making decisions on further treatment strategy.



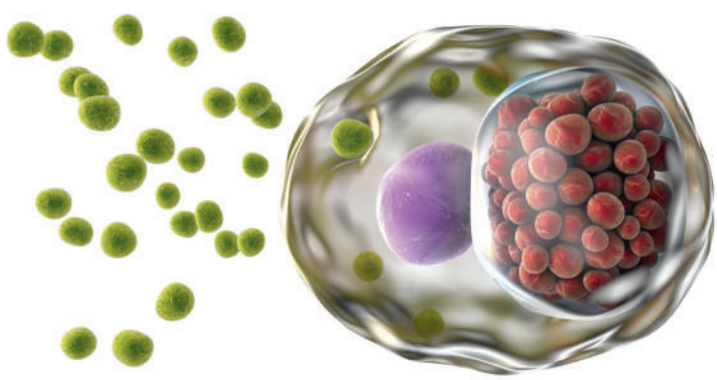
REF	Name	Reagent kit description	Test quantity
R-V1-Mod (RG,iQ,Mx,Dt)-CE	**AmpliSens® HCV-FRT PCR kit**	for hepatitis C virus (HCV) RNA detection in biological material using real-time hybridization-fluorescence detection	112
R-V1-MC (RG,iQ,Mx,Dt)-CE	**AmpliSens® HCV-Monitor-FRT PCR kit**	for hepatitis C virus (HCV) RNA quantitationin in the biological material (blood plasma) using real-time hybridization-fluorescence detection	80
R-V1-G-4x (RG,iQ,Mx)-CE	**AmpliSens® HCV-1/2/3-FRT PCR kit**	for hepatitis C virus (HCV) genotypes (1, 2, 3) detection and differentiationin in biological material using real-time hybridization-fluorescence detection	55
R-V1-G(1-6)-2x (RG,iQ,Mx, Dt,SC)-CE	**AmpliSens® HCV-genotype-FRT PCR kit**	for identification and differentiation of hepatitis C virus (HCV) genotypes (1a,1b,2, 3a, 4, 5a, 6) in biological material using real-time hybridization-fluorescence detection	55
R-V5-Mod (RG,iQ,Mx,Dt)-CE	**AmpliSens® HBV-FRT PCR kit**	for hepatitis B virus (HBV) DNA detection in biological material using real-time hybridization-fluorescence detection	112
R-V5-MC (RG,iQ,Mx,Dt)-CE	**AmpliSens® HBV-Monitor-FRT PCR kit**	for hepatitis B virus (HBV) DNA quantitation in the biological material (blood plasma) using real-time hybridization-fluorescence detection	80
R-V5-G-F-CE	**AmpliSens® HBV-genotype-FRT PCR kit**	for detection and differentiation of hepatitis B virus (HBV) genotypes A, B, C and D in biological material using real-time hybridization-fluorescence detection	55

REF	Name	Reagent kit description	Test quantity
H-1982-1-3-CE	**AmpliSens® HBV-genotype-FRT PCR kit**	for differentiation of hepatitis B virus (HBV) genotypes A, B, C and D in the biological material (blood plasma) using real-time hybridization-fluorescence detection	55
R-V56 (RG,iQ,Mx,Dt)-CE	**AmpliSens® HBV/HDV-FRT PCR kit**	for hepatitis B virus (HBV) DNA and hepatitis D virus (HDV) RNA simultaneous detection in biological material using real-time hybridization-fluorescence detection	112
R-V3 (RG,iQ,Mx,Dt)-CE	**AmpliSens® HDV-FRT PCR kit**	for hepatitis D virus (HDV) RNA detection in biological material using real-time hybridization-fluorescence detection	112
R-V3-MC (RG,iQ,Mx,Dt)-CE	**AmpliSens® HDV-Monitor FRT PCR kit**	for quantitative detection of hepatitis D virus (HDV) RNA in the biological material (blood plasma) using real-time hybridization-fluorescence detection	80
R-V2-50-F (RG,iQ,Mx,Dt)-CE	**AmpliSens® HGV-FRT PCR kit**	for hepatitis G virus (HGV) RNA detection in biological material using real-time hybridization-fluorescence detection	55
R-V4(RG,iQ)-CE	**AmpliSens® HAV-FRT PCR kit**	for hepatitis A virus (HAV) RNA detection in biological material and environmental samples using real-time hybridization-fluorescence detection	55

SEXUALLY TRANSMITTED DISEASES (STDS)

According to the modern classification (WHO), reproductive tract infections (RTIs) are classified as sexually transmitted diseases (STDs), infections caused by endogenous microflora and infections caused by surgical interventions, when microflora from the lower reproductive tract or the environment enters the upper reproductive tract.

Most reproductive tract infections have non-specific clinical manifestations and are often asymptomatic. Nucleic acid amplification techniques (PCR) enable pathogen identification and correct diagnosis. The high specificity of our kits is based on the unique targets (nucleotide sequence regions) for the pathogen being identified.



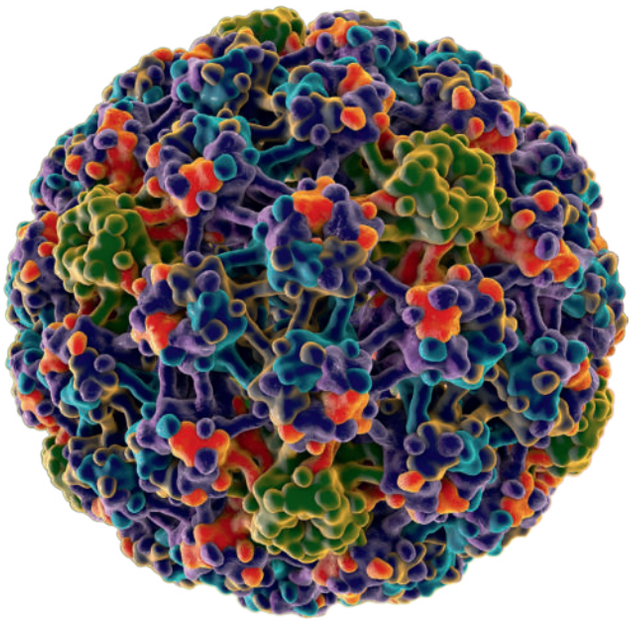
REF	Name	Reagent kit description	Test quantity
R-B1(RG)-CE	**AmpliSens® Chlamydia trachomatis-FRT PCR kit**	for Chlamydia trachomatis DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B1-F(RG,iQ)-CE			110
R-B4(RG)-CE	**AmpliSens® Mycoplasma genitalium-FRT PCR kit**	for Mycoplasma genitalium DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B4-F(RG,iQ)-CE			110

REF	Name	Reagent kit description	Test quantity
R-B3(RG)-CE	**AmpliSens® Mycoplasma hominis-FRT PCR kit**	for Mycoplasma hominis DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B3-F(RG,iQ)-CE			110
R-B51(RG)-CE	**AmpliSens® Neisseria gonorrhoeae- screen-FRT PCR kit**	for Neisseria gonorrhoeae DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B51-F(RG,iQ)-CE			110
R-B6-F(RG,iQ)-CE	**AmpliSens® Trichomonas vaginalis-FRT PCR kit**	for Trichomonas vaginalis DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B20-F(RG,iQ)-CE	**AmpliSens® Treponema pallidum-FRT PCR kit**	for Treponema pallidum DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B19(RG)-CE	**AmpliSens® U.parvum/ U.urealyticum-FRT PCR kit**	for U.parvum/U.urealyticum DNA detection and differentiation in biological material using real-time hybridization-fluorescence detection	110
R-B19-F(RG,iQ)-CE			110
R-B46-F(RG,iQ)-CE	**AmpliSens® C.trachomatis/ Ureaplasma/M.genitalium-MULTIPRIME-FRT PCR kit**	for Chlamydia trachomatis, Ureaplasma spp. (U.parvum and U.urealyticum) and Mycoplasma genitalium simultaneous DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B43-F(RG,iQ)-CE	**AmpliSens® C.trachomatis/ Ureaplasma/M.hominis-MULTIPRIME-FRT PCR kit**	for Chlamydia trachomatis, Ureaplasma spp. (U.parvum and U.urealyticum) and Mycoplasma hominis DNA simultaneous DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B60-F(RG)-CE	**AmpliSens®C.trachomatis/ Ureaplasma/M.genitalium/ M.hominis-MULTIPRIME-FRT PCR kit**	for Chlamydia trachomatis, Ureaplasma spp. (U.parvum and U.urealyticum), Mycoplasma genitalium and Mycoplasma hominis simultaneous DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B61-F(RG)-CE	**AmpliSens® N.gonorrhoeae/ C.trachomatis/ M.genitalium/ T.vaginalis-MULTIPRIME-FRT PCR kit**	for simultaneous detection of Neisseria gonorrhoeae, Chlamydia trachomatis, Mycoplasma genitalium, and Trichomonas vaginalis simultaneous DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-B83-F(RG,iQ)-CE	**AmpliSens®T.vaginalis/ N.gonorrhoeae/ C.trachomatis-FRT PCR kit**	for Trichomonas vaginalis, Neisseria gonorrhoeae, and Chlamydia trachomatis simultaneous DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-F1-F(RG,iQ)-CE	**AmpliSens® Candida albicans-FRT PCR kit**	for Candida albicans DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-F3-F(RG,iQ)-CE	**AmpliSens® C.albicans/ C.glabrata/C.krusei-MULTIPRIME-FRT PCR kit**	for Candida albicans, Candida glabrata, and Candida krusei simultaneous DNA detection in biological material using real-time hybridization-fluorescence detection	110

HUMAN PAPILLOMAVIRUS INFECTION

Human papillomavirus (HPV) is a group of common and genetically diverse viruses that infect and damage the epithelium of the skin (cutaneous HPV types) and mucous membranes of the oral cavity and anogenital region (genital HPV types). Genital HPV types are predominantly transmitted sexually and through the birth canal from mother to child. The main clinical forms of genital HPV infection are condylomata acuminata and malignant forms of epithelial cell changes leading to cervical cancer.

Because of the confirmation of the etiological role of high-risk human papillomavirus (HPV) in the development of cervical cancer, the identification of HPV DNA is now considered a critical component in the screening of this disease. The main advantage of using HPV tests for screening is their high sensitivity in detecting precancerous cervical pathology.



REF	Name	Reagent kit description	Test quantity
R-V12-F-CE	**AmpliSens® HPV 16/18-FRT PCR kit**	for qualitative and quantitative detection and differentiation of genotypes 16 and 18 of Human Papillomavirus (HPV) DNA in the biological material (urogenital swabs) using real-time hybridization-fluorescence detection	110
H-2261-1-13-CE	**AmpliSens® HPV HCR genotype-titre-FRT PCR kit**	for qualitative and quantitative detection and differentiation of DNA of human papillomaviruses of high carcinogenic risk (HPV HCR) genotypes 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68 in biological material using real-time hybridization-fluorescence detection	110
H-2311-1-13-CE	**AmpliSens® HPV HCR screen-titre-14-FRT PCR kit**	for quantitative detection of human papillomaviruses of high carcinogenic risk (HPV HCR) DNA types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68 in biological material using real-time hybridization-fluorescence detection	110
R-V31-T-4x(RG,iQ,Mx)-CE	**AmpliSens® HPV HCR screen-titre-FRT PCR kit**	for qualitative and quantitative detection of high carcinogenic risk (HCR) human papillomaviruses (HPV) types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59 DNA in biological material using real-time hybridization-fluorescence detection	108
R-V11-Mod(RG,iQ,Mx)-CE	**AmpliSens® HPV 6/11-FRT PCR kit**	for qualitative detection and differentiation of genotypes 6 and 11 of human papillomavirus (HPV) DNA in the biological material (urogenital swabs)	110

TORCH-INFECTIONS

TORCH infections include:

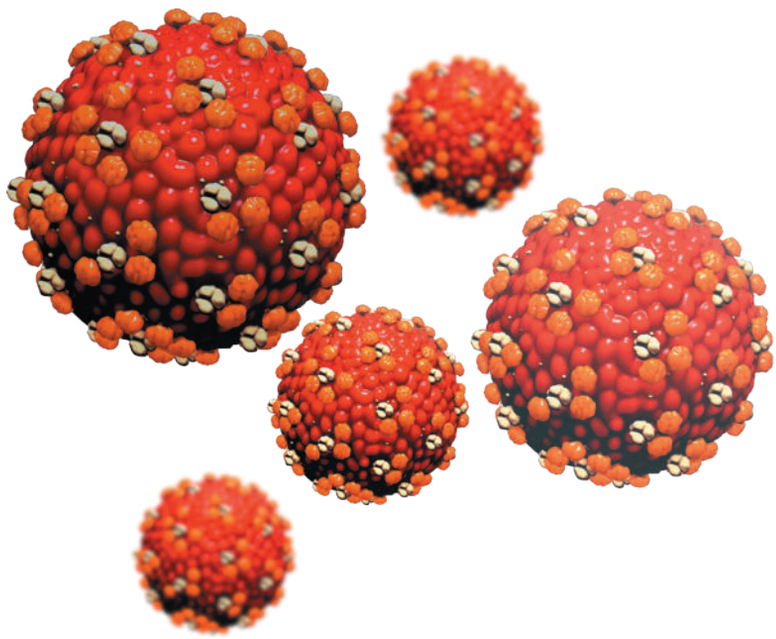
T: Toxoplasmosis;

O: Other (viral hepatitis B, C, D and G, HIV, parvovirus infection B19, etc.);

R: Rubella;

C: Cytomegalovirus;

H: Herpes simplex virus.



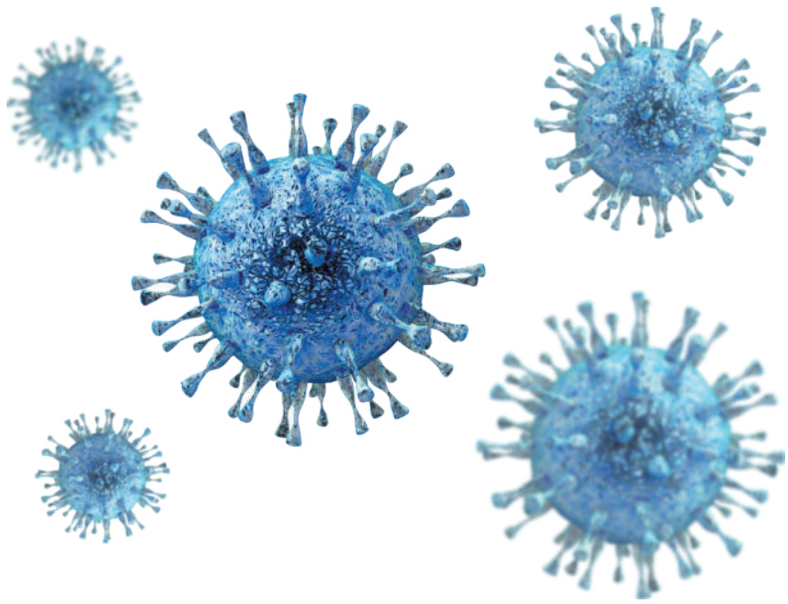
TORCH infections are hazardous to the fetal development during pregnancy. Timely laboratory diagnosis of TORCH infections in women of childbearing age plays an important role a TORCH infections examination is the best option before a planned pregnancy.

REF	Name	Reagent kit description	Test quantity
R-P1(RG,iQ,Mx)-CE	**AmpliSens® Toxoplasma gondii-FRT PCR kit**	for Toxoplasma gondii DNA detectionin biological material using real-time hybridization-fluorescence detection	60
R-V24-S(RG,iQ,Mx)-CE	**AmpliSens® Rubella virus-FRT PCR kit**	for Rubella virus RNA detectionin biological material using real-time hybridization-fluorescence detection	60
R-V49(RG,iQ,Mx)-CE	**AmpliSens® Parvovirus B19-FRT PCR kit**	for Parvovirus B19 DNA detection and quantitationin biological material using real-time hybridization-fluorescence detection	55

HERPESVIRUS INFECTIONS

Herpes viruses are a type of virus that can infect various organs and systems of the host and cause a number of common infectious diseases.

All herpes viruses are similar in morphological characteristics, reproduction type, tissue tropism, persistence and latency in the infected host's body.



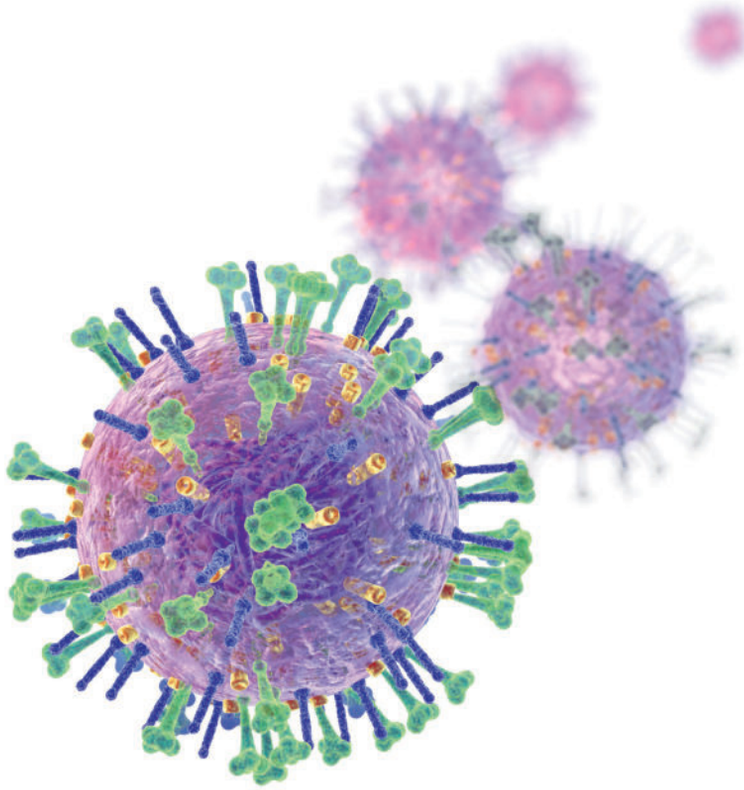
REF	Name	Reagent kit description	Test quantity
R-V7-F(RG,iQ)-CE	**AmpliSens® CMV-FRT PCR kit**	for human cytomegalovirus (Cytomegalovirus humanbeta5, CMV) DNA detection in biological material using real-time hybridization-fluorescence detection	110
H-3581-1-1-CE	**AmpliSens® HHV8-screen/ monitor-FRT PCR kit**	for quantitative detection of human herpes virus type 8 (Human gammaherpesvirus 8, HHV8) DNA in biological material using real-time hybridization-fluorescence detection	110
H-2431-1-1-CE	**AmpliSens® HHV7-screen/ monitor-FRT PCR kit**	for quantitative detection of human herpes virus type 7 (Human betaherpesvirus 7, HHV7) DNA in biological material using real-time hybridization-fluorescence detection	110
R-V48(RG,iQ,Mx)-CE	**AmpliSens® EBV/CMV/ HHV6A/B-screen-FRT PCR kit**	for qualitative and quantitative detection of Epstein-Barr virus (Lymphocryptovirus humangamma4, EBV) DNA, human cytomegalovirus (Cytomegalovirus humanbeta5, CMV) DNA and human Herpes virus 6A/B (Roseolovirus humanbeta6a/ Roseolovirus humanbeta6b, HHV6A/B) DNA in biological material using real-time hybridization-fluorescence detection	110
R-V61-50-F(RG)-CE	**AmpliSens® VZV-FRT PCR kit**	for Varicella-Zoster virus (VZV) DNA detection in biological material using real-time hybridization-fluorescence detection	60
R-V8-F(RG,iQ)-CE	**AmpliSens® HSV I, II -FRT PCR kit**	for herpes simplex virus I, II (HSV I, II) DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-V60-F(RG,iQ)-CE	**AmpliSens® HSV/CMV-MULTIPRIME-FRT PCR kit**	for herpes simplex virus (HSV) and human cytomegalovirus (Cytomegalovirus humanbeta5, CMV) simultaneous DNA detection in biological material using real-time hybridization-fluorescence detection	110
R-V38-F(RG,iQ)-CE	**AmpliSens® HSV-typing-FRT PCR kit**	for herpes simplex virus types I and II (HSV I *и* HSV II) DNA detection and typing in biological material using real-time hybridization-fluorescence detection	110

RESPIRATORY INFECTIONS

Respiratory tract infections (acute respiratory diseases, ARDs) can be caused by bacteria, viruses and fungi. Mycoplasma pneumoniae, Chlamydophila pneumoniae, representatives of the Legionella genus (Legionella pneumophila) and diphtheria pathogens are the most common bacterial pathogens. Representatives of four families of RNA-containing viruses (orthomyxoviruses, paramyxoviruses, coronaviruses and picornaviruses) and two families of DNA-containing viruses (adenoviruses, parvoviruses) are the most important among the viral agents of ARD.

Determining the aetiology of acute respiratory infection aids in the correct prescription of aetiotropic therapy and is important for prognosis, both in the outpatient and in the hospital setting.

For routine studies, PCR-based tests are used that allow for the detection of pathogen RNA/ DNA directlyin biological material samples.



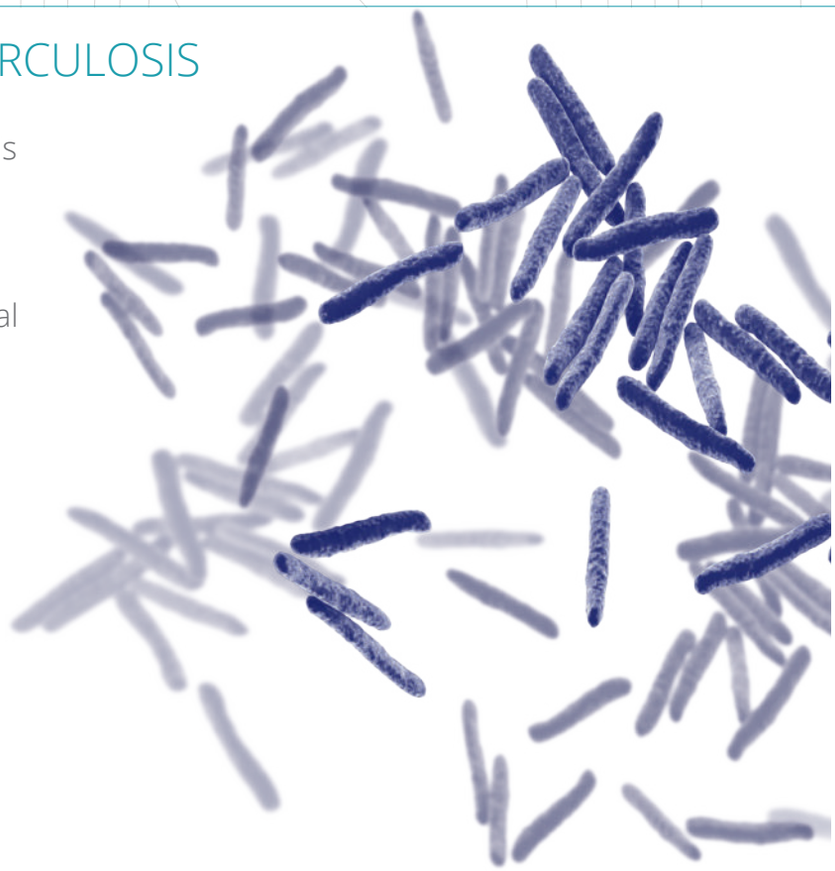
REF	Name	Reagent kit description	Test quantity
H-4513-1-CE	**AmpliSens® ARVI-screen-short PCR kit**	for multiplex detection and identification of specific nucleic acid fragments of pathogens that cause acute respiratory viral infections –A, B and C Influenza viruses(Alphainfluenzavirus influenza – Inf A, Betainfluenzavirus influenza – Inf), Gammainfluenzavirus influenza– Inf C) RNA; Respiratory Syncytial virus (Orthopneumovirus hominis, RSV) RNA; Metapneumovirus (Metapneumovirus hominis, hMpv) RNA; Parainfluenza viruses 1-4 (Respirovirus laryngotracheitidis– PiV1, Orthorubulavirus laryngotracheitidis, – PiV 2, Respirovirus pneumoniae – PiV 3, Orthorubulavirus hominis– PiV 4) RNA; OC43, E229, NL63, and HKU1 Coronavirus (Cov) RNA; A, B, C Rhinovirus without differentiation (RV) RNA; Enterovirus (EV) RNA; B, C, and E Adenovirus (Human Mastadenovirus - AdV) DNA; human Bocavirus (Bocaparvovirus primate1 - Bov) DNA and Coronavirus SARS-CoV-2 RNA – in the biological material using real-time hybridization-fluorescence detection	96
H-4512-1-CE			96
H-4511-1-CE			96
H-4094-1-1-CE	**AmpliSens® COVID-19-FL PCR kit**	for SARS-CoV-2 RNA detection and quantitative determination in the biological material (nasopharyngeal and oropharyngeal swabs, sputum / pharyngeal aspirate, bronchoalveolar lavage/ bronchial washing fluids, blood plasma, fecal / rectal swab, autopsy material) and in the environmental samples (water sample concentrates, washes from environmental objects) using real-time hybridization-fluorescence detection	110

REF	Name	Reagent kit description	Test quantity
H-4121-10-CE	**AmpliSens® SARS-CoV-2-IT reagent kit**	for detection of SARS-CoV-2 RNA detection in the biological material (nasopharyngeal and oropharyngeal swabs) using reverse transcription and isothermal amplification (RT-IT) with fluorescence detection	200
R-B84-100-F(RG,iQ,Dt)-CE	**AmpliSens® Bordetella multi-FRT PCR kit**	for Bordetella pertussis, Bordetella parapertussis, Bordetella bronchiseptica DNA detection and differentiation in biological material using real-time hybridization-fluorescence detection	100
H-2842-1-CE	**AmpliSens® Corynebacterium diphtheriae/tox-genes-FRT PCR kit**	for qualitative detection of Corynebacterium diphtheriae DNA and genes encoding toxins of Corynebacterium diphtheriae and Corynebacterium ulcerans in the biological material (naso- and oropharyngeal swabs, swabs from affected areas of skin) using real-time hybridization-fluorescence detection	110
R-B42-100-F-CE	**AmpliSens® Mycoplasma pneumoniae/ Chlamydophila pneumoniae-FRT PCR kit**	for Mycoplasma pneumoniae and Chlamydophila pneumoniae DNA detection in biological material using real-time hybridization-fluorescence detection	100
R-B50(RG)-CE	**AmpliSens® Legionella pneumophila-FRT PCR kit**	for Legionella pneumophila DNA detection in biological material and environmental samples using real-time hybridization-fluorescence detection	55
R-V55(RG)-CE	**AmpliSens® Influenza virus A/H1-swine-FRT PCR kit**	for Influenza virus A/H1-swine identification using real-time hybridization-fluorescence detection	55
R-V54-100-F(RG,iQ,Dt,SC)-CE	**AmpliSens® Influenza virusA-type-FRT PCR kit**	for typing (identification of H1N1 and H3N2 subtypes) of Influenza virus A using real-time hybridization-fluorescence detection	110
R-V36-100-F-Mod (RG,iQ,Dt,CFX,SC)-CE	**AmpliSens® Influenza virus A/B-FRT PCR kit**	for qualitative detection and differentiation of RNA of Influenza virus A and Influenza virus B in the biological material and viral culture using real-time hybridization-fluorescence detection	100
R-V33(SC)-CE	**AmpliSens® Influenza virus A H5/N1-FRT PCR kit**	for qualitative detection of Influenza virus A RNA and identifying of H5N1 subtype in biological material using real-time hybridization-fluorescence detection	55

TUBERCULOSIS

PCR detection of Mycobacterium tuberculosis complex DNA is the most sensitive and specific method of tuberculosis laboratory diagnostics.

When compared to traditional microbiological assays, the use of PCR improves the diagnostic efficacy of the material.



REF	Name	Reagent kit description	Test quantity
R-B80(RG,iQ,Dt,SC)-CE	**AmpliSens® MTC-diff-FRT PCR kit**	for M.tuberculosis, M.bovis and M.bovis BCG differentiation in biological material and microgerm cultures using real-time hybridization-fluorescence detection	55
R-B57(RG,iQ,SC,Dt)-CE	**AmpliSens® MTC-FRT PCR kit**	for Mycobacterium tuberculosis DNA (Mycobacterium tuberculosis complex) detection in biological material, microgerm cultures and environmental samples using real-time hybridization-fluorescence detection	55
H-3611-1-CE	**AmpliSens® MTC-MDR-FRT PCR kit**	for detection of mutations in Mycobacterium tuberculosis DNA (MTC, Mycobacterium tuberculosis complex), associated with rifampicin (in RRDR region and codon 572 of rpoB gene) and isoniazid (in codon 315 of katG gene and promoter region of inhA gene) resistance, in DNA samples extracted from the biological material (sputum, bronchoalveolar lavage (BAL), bronchial washing fluid, pleural fluid, urine) and Mycobacterium tuberculosis cultures using real-time hybridization-fluorescence detection	55
H-3612-1-4-CE			48*

**- lyophilized form*

GASTROINTESTINAL INFECTIONS

Acute gastrointestinal (GI) infections are commonly classified as acute intestinal infections (AII), whose clinical manifestations are caused by the multiplication of microorganisms in the GI tract, and bacterial foodborne infections/ manifestations microorganisms accumulated in the food product.

A timely diagnosis based on modern laboratory research methods is required for adequate treatment of acute enteric infections. Molecular genetic studies are the most effective method for determining the aetiology of AIIs.

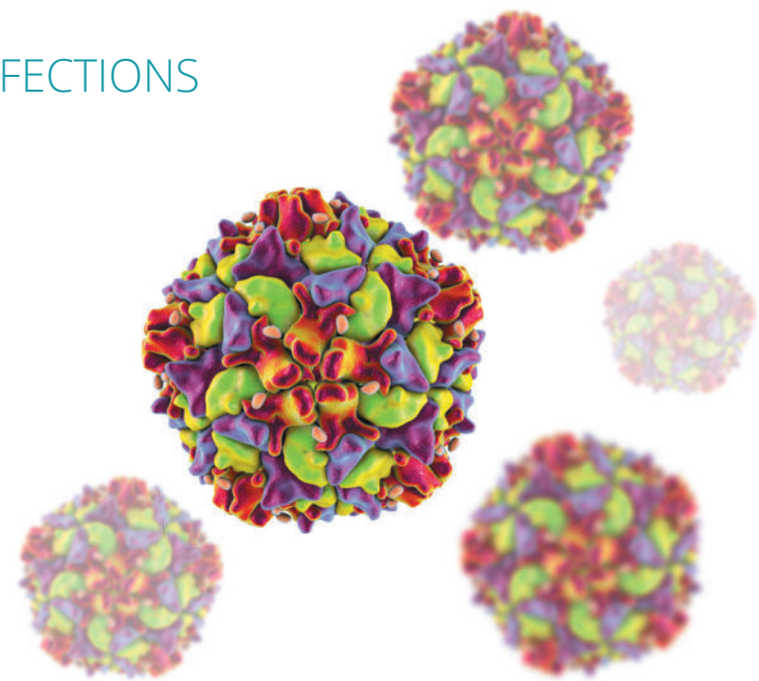
REF	Name	Reagent kit description	Test quantity
H-2631-1-CE	**AmpliSens® AII bacto-screen-FRT PCR kit**	for qualitative detection of DNA of Shigella spp./enteroinvasive E. coli (EIEC) (without differentiation), Salmonella spp., complex of enterohaemorrhagic E. coli (EHEC) / S. dysenteriae and thermophilic Campylobacter spp. in the biological material (feces) and environmental samples (water sample concentrates) using real-time hybridization-fluorescence detection	55
H-2761-1-CE	**AmpliSens® AII viro-screen-FRT PCR kit**	for qualitative detection and differentiation RNA of rotaviruses group A (Rotavirus A), noroviruses 1 and 2 genogroups (Norovirus GI and GII), astroviruses (Astrovirus) and DNA of adenoviruses group F (Adenovirus F) in the biological material (feces) and environmental objects (water sample concentrates) using real-time hybridization-fluorescence detection	55
H-2751-1-3-CE	**AmpliSens® Norovirus GI/ GII-FRT PCR kit**	for detection and differentiation of noroviruses genogroups 1 and 2 (Norovirus GI and GII) RNA in the biological material (feces) and environmental samples (water sample concentrates) using real-time hybridization-fluorescence detection	55
R-V40(RG,iQ)-CE	**AmpliSens® Rotavirus/Norovirus/ Astrovirus-FRT PCR kit**	for detection and differentiation of rotaviruses group A, norovirus genotype 2, and astroviruses RNA detection and differentiation in environmental samples and biological material using real-time hybridization-fluorescence detection	55
R-B62(RG,iQ)-CE	**AmpliSens® Escherichioses-FRT PCR kit**	for qualitative detection and differentiation of diarrheagenic E.coli (EPEC, ETEC, EIEC (in conjunction with Shigella spp.), EHEC, and EAgEC) DNA in environmental samples and biological material using real-time hybridization-fluorescence detection	55
H-1971-1-CE	**AmpliSens® Ascaridosis-FRT PCR kit**	for detection of Ascaris spp. DNA in the biological material (feces samples and sputum) using real-time hybridization-fluorescence detection	55
R-B64(RG,iQ)-CE	**AmpliSens® Yersinia enterocolitica/ Y.pseudotuberculosis-FRT PCR kit**	for detection and differentiation of virulent and avirulent Yersinia enterocolitica strains, Yersinia pseudotuberculosis strains DNA in environmental samples and clinical material using real-time hybridization-fluorescence detection	55

REF	Name	Reagent kit description	Test quantity
H-2821-1-CE	**AmpliSens® Giardia lamblia-FRT PCR kit**	for qualitative detection of Giardia lamblia DNA in the biological material (feces) and environmental objects (water sample concentrates) using real-time hybridization-fluorescence detection	55
H-2822-1-4-CE			96*
H-2831-1-CE	**AmpliSens® Helicobacter pylori-FRT PCR kit**	for qualitative detection of Helicobacter pylori DNA qualitative detection in the biological material (tissue (biopsy) material of gastric mucosa, feces, saliva) using real-time hybridization-fluorescence detection	55
H-2832-1-4-CE			48*

**- lyophilized form*

NEUROINFECTIONS

Neuroinfections are a catch-all term for infectious diseases that affect various parts of the central nervous system (CNS). They are distinguished by severe course and risk of severe complications and disability. Neuroinfections are associated with a wide range of viral and bacterial pathogens (fungi or protozoa).

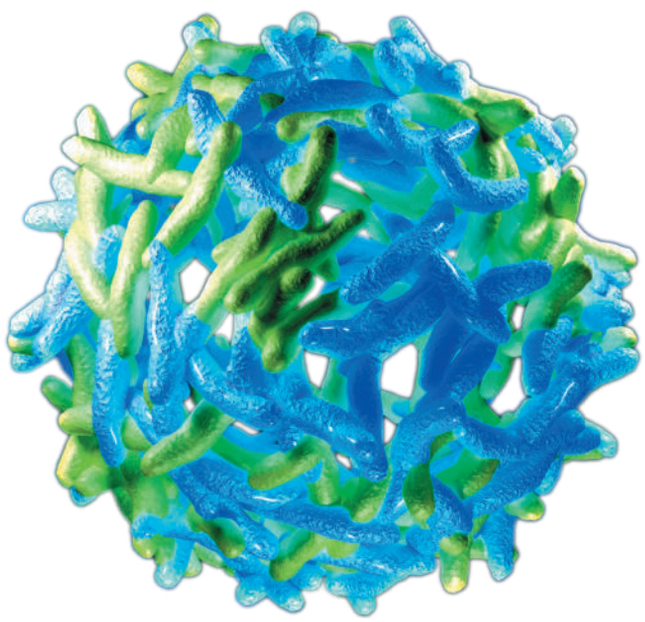


REF	Name	Reagent kit description	Test quantity
R-B25(RG,iQ)-CE	**AmpliSens® N.meningitidis/ H.influenzae/ S.pneumoniae-FRT PCR kit**	fo rdetection of Neisseria meningitidis, Haemophilus influenzae, Streptococcus pneumoniae DNA in biological material using real-time hybridization-fluorescence detection	55
R-V64-F-CE	**AmpliSens® Enterovirus 71-FRT PCR kit**	for Enterovirus type 71 RNA detection in environmental samples and biological material using real-time hybridization-fluorescence detection	55
R-V16(RG)-CE	**AmpliSens® Enterovirus-FRT PCR kit**	for Enterovirus RNA detection in environmental samples and biological material using real-time hybridization-fluorescence detection	55
H-2773-1-CE	**AmpliSens® Human enterovirus-FRT PCR kit**	for qualitative detection of RNA of Human enterovirus clusters A, B, C, D (Human coxsackievirus A, Human coxsackievirus B, Human echovirus, Human poliovirus, Human enterovirus 68-71, 73-78, 89-91) without differentiation between them in biological material and environmental samples using real-time hybridization-fluorescence detection	55

REF	Name	Reagent kit description	Test quantity
H-2161-1-1-CE	**AmpliSens® Listeria monocytogenes-screen/ monitor-FRT PCR kit**	for detection and quantitation of DNA of L. monocytogenes in biological material, autopsy material, environmental samples, liquid medium for primary enrichment of food product using real-time hybridization-fluorescence detection	55
R-V58(RG,iQ)-CE	**AmpliSens® Poliovirus-FRT PCR kit**	for Poliovirus and Enterovirus group C (HEV-C) RNA detection with differentiation of poliovirus vaccine strains (Sabin1, Sabin2, Sabin3) in environmental samples and biological material using real-time hybridization-fluorescence detection	55

PARTICULARLY DANGEROUS AND NATURAL-FOCAL INFECTIONS

Particularly dangerous infections are capable of sudden emergence and rapid spread. These infections are characterized by a distinct clinical presentation, severe course, and high mortality.



REF	Name	Reagent kit description	Test quantity
R-V59(RG,iQ,Mx,Dt)-CE	**AmpliSens® TBEV, B.burgdorferi sl, A.phagocytophillum, E.chaffeensis/E.muris-FL PCR kit**	for detection of RNA/DNA of Ixodes tick-borne borreliosis (TBEV) pathogens, Borellia burgdorferi sl, Anaplasma phagocytophillum, Ehrlichia chaffeensis/Ehrlichia muris in biological material using real-time hybridization-fluorescence detection	120
R-B41(RG)-CE	**AmpliSens® BacillusAnthracis-FRT PCR kit**	for detection of Bacillus anthracis DNA in biological material and environmental samples using real-time hybridization-fluorescence detection	55
H-2791-1-CE	**AmpliSens® Borrelia miyamotoi-FRT PCR kit**	for detection of Borrelia miyamotoi DNA in the biological material (blood, tissue (autopsy, biopsy) material, cerebrospinal fluid, ticks) using real-time hybridization-fluorescence detection	55
R-B10(RG)-CE	**AmpliSens® Brucella spp-FRT PCR kit**	for detection of Brucella spp. DNA in biological material and microgerm cultures using real-time hybridization-fluorescence detection	55
R-B85-50-F(RG,iQ,Mx,Dt)-CE	**AmpliSens® Coxiella burnetii-FRT PCR kit**	for detection of Coxiella burnetii DNA detection in biological material using real-time hybridization-fluorescence detection	55

REF	Name	Reagent kit description	Test quantity
H-2391-1-CE	**AmpliSens® Dengue virus-FRT PCR kit**	for qualitative detection of Dengue virus (types 1-4) RNA in the biological material using real-time hybridization-fluorescence detection	55
R-V63(RG,CFX)-CE	**AmpliSens® Dengue virus type-FRT PCR kit**	for Dengue virus (DV) 1-4 RNA detection and differentiation in biological material using real-time hybridization-fluorescence detection	60
R-V69-50-F-CE	**AmpliSens® EBOV Zaire-FRT PCR kit**	for qualitative detection of the Zaire Ebola virus (EBOV Zaire) RNA in the biological material (whole blood, saliva, urine, viscera biopsy material) using real-time hybridization-fluorescence detection	55
H-2781-1-4-CE	**AmpliSens® FiloA-screen-FRT PCR kit**	for qualitative detection of RNA of Ebola virus variant Zaire (EBOV Zaire), Ebola virus variant Sudane (SUDV) and Marburg virus (MARV) of Filoviridae family in the human biological material (whole blood or its components: leucocytes and plasma) using real-time hybridization-fluorescence detection	96*
R-B49(RG,iQ)-CE	**AmpliSens® Leptospira-FRT PCR kit**	for qualitative detection of 16S RNA of pathogenic Leptospira genospecies in the biological material, autopsy material and material obtained from died animals (lung, brain, and kidney tissue) and animals suffering from acute leptospirosis (blood) or Leptospira persisting in kidneys (urine) using real-time hybridization-fluorescence detection	55
H-3981-1-CE	**AmpliSens® Plasmodium spp./ P.falciparum/P.vivax-FRT PCR kit**	for qualitative detection of DNA of all malaria plasmodium species (Plasmodium spp.) and differentiation of DNA of malignant tertian (P.falciparum) and tertian (P.vivax) malaria pathogens in the biological material using real-time hybridization-fluorescence detection	55
H-3982-1-4-CE			48*
H-2741-1-CE	**AmpliSens® Rickettsia conorii-FRT PCR kit**	for qualitative detection of Rickettsia conorii DNA in the biological material using real-time hybridization-fluorescence detection	55
R-B53(RG)-CE	**AmpliSens® Vibrio cholerae-FRT PCR kit**	for detection of Vibrio cholerae DNA and identification of pathogenic strains of Vibrio cholerae in the biological material and environmental samples using real-time hybridization-fluorescence detection	55
R-V53(RG,iQ,Mx)-CE	**AmpliSens® WNV-FRT PCR kit**	for detection of West Nile virus (WNV) RNA in biological material using real-time hybridization-fluorescence detection	60
H-2461-1-CE	**AmpliSens® Yellow fever virus-FRT PCR kit**	for qualitative detection of Yellow fever virus (YFV) RNA in the biological material using real-time hybridization-fluorescence detection	55
R-B79(RG,iQ,Dt)-CE	**AmpliSens® Yersinia pestis-FRT PCR kit**	for Yersinia pestis DNA detection in biological material using real-time hybridization-fluorescence detection	60
H-2411-1-CE	**AmpliSens® Zika virus-FRT PCR kit**	for qualitative detection of RNA of Zika virus in the biological material, histological material using real-time hybridization-fluorescence detection	55

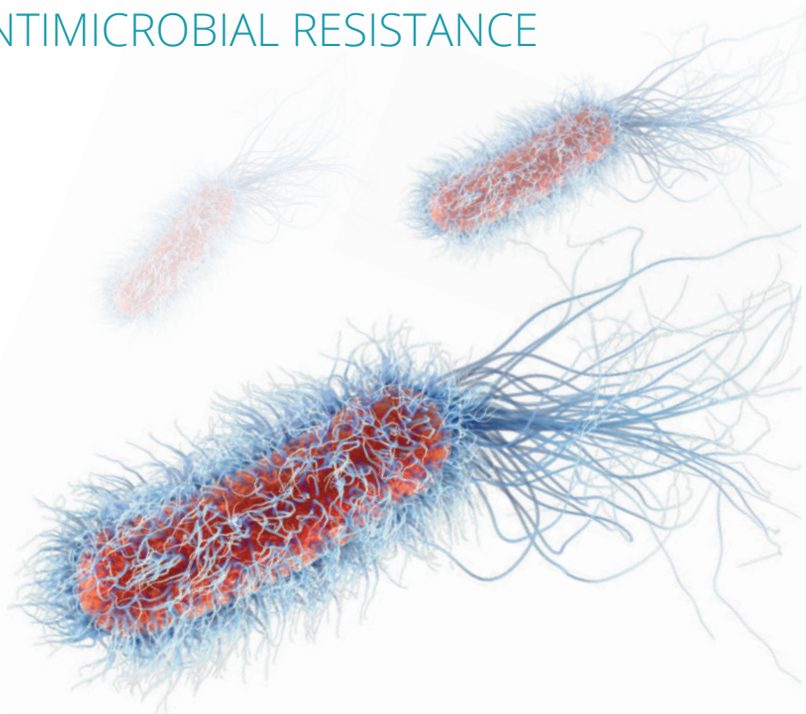
**- lyophilized form*

GENETIC MARKERS OF ANTIMICROBIAL RESISTANCE

Nosocomial (hospital-acquired) purulentseptic infections (PSIs) have a high mortality rate, resulting in significant economic and social losses.

Hospital-acquired infections can occur in hospitals of any profile and level.

Rapid and effective antibiotic resistance genetic markers detection methods are required for timely selection of appropriate antimicrobial therapy and provision of infection control measures.



REF	Name	Reagent kit description	Test quantity
R-C2(RG,CFX)-CE	**AmpliSens® MDR KPC/OXA-48-FRT PCR kit**	for detection of KPC/OXA-48 carbapenems genes in biological material using real-time hybridization-fluorescence detection	110
R-C1(RG,CFX)-CE	**AmpliSens® MDR MBL-FRT PCR kit**	for detection of VIM, IMP and NDM metallo-lactamase genes using real-time hybridization-fluorescence detection	110
HN-4171-1-CE	**AmpliSens® MDR MCR-1-FRT PCR kit**	for qualitative detection of plasmid-encoded mcr-1 colistin resistance genes and marker genes of enterobacteria (Enterobacterales order) (16S rRNA genes) in bacterial culture samples obtained by seeding the biomaterial on liquid or solid medium using real-time hybridization-fluorescence detection	110
HN-4172-1-4-CE			96*
HN-3891-1-CE	**AmpliSens® MDR VRE-FRT PCR kit**	for qualitative detection of DNA of Enterococcus spp. and vanA and vanB gene in bacterial culture samples obtained by seeding the biomaterial on liquid or solid medium using real-time hybridization-fluorescence detection of amplified products. Detection of the vanA and vanB genes is carried out in order to identify strains of Enterococcus resistant to the vancomycin antibiotic (VRE)	110
HN-3892-1-4-CE			96*
R-B78-100-FT(RG,iQ)-CE	**AmpliSens® MRSA-screen-titre-FRT PCR kit**	for detection and quantitation of methicillin-sensitive and methicillin-resistant Staphylococcus aureus/methicillin-resistant coagulase-negative Staphylococcus spp. DNA in biological material using real-time hybridization-fluorescence detection	110

**- lyophilized form*

REAGENT KITS FOR TRANSPORTATION AND PRE-TREATMENT OF BIOLOGICAL MATERIAL AND REAGENT KITS FOR DNA/ RNA EXTRACTION

Modern clinical diagnostics necessitates the improvement and standardisation of pre-analytical procedures.

The pre-analytical stage of PCR diagnostics includes the following:

1. Sampling of biological material for the test;
2. Preparation of biological material for nucleic acid extraction;
3. Nucleic acid extraction;
4. Reverse transcription (i.e., 'converting' RNA to cDNA); this stage is required if the test genetic material is represented by RNA.

- Transport media are required for biomaterial preservation from the time it is collected to the stage of nucleic acid extraction. The transport media buffer solution prevents premature lysis of cells by preserving their nucleic composition, while the preservative prevents the growth of extraneous microflora.
- Appropriate purification of nucleic acids from inhibitors and impurities allows for minimal DNA/RNA loss, which ensures an accurate laboratory analysis result.

For some types of biological material, pre-treatment of clinical samples is required for effective PCR diagnostics (the need for pre-treatment is indicated in the instructions).

AmpliSens® reagent kits are easy to use and are suitable for extraction of nucleic acids from a wide range of biomaterials. Some kits are adapted for use with automatic nucleic acid extraction stations.

Reagent kits for DNA/RNA extraction

REF	Name	Reagent kit description	Test quantity
K4-2181-100-CE	**AmpliSens® MAGNO-sorb-URO**	for extraction of DNA from the biological material for subsequent testing for the presence of DNA of pathogens which causes sexually transmitted infections, other infections of reproductive organs and urinary tract	100
K4-2182-100-CE		for extraction of DNA from the biological material for subsequent testing for the presence of DNA of pathogens which causes sexually transmitted Infections, other infections of reproductive organs and urinary tract. Variant 100D	100
K3-1062-100-CE	**MAGNO-sorb**	for extraction of RNA/DNA from the human biological material for subsequent testing by the nucleic acid amplification. Variant 100-200 is intended for DNA/RNA extraction from 100 samples (including controls). The volume of test material is 200 µl	100
K3-1063-100-CE		for extraction of RNA/DNA from the human biological material for subsequent testing by the nucleic acid amplification. Variant 100-100M is intended for DNA/RNA extraction from 100 samples (including controls). The volume of test material is 100 µl	100
K3-1061-100-CE		for extraction of RNA/DNA from the human biological material for subsequent testing by the nucleic acid amplification. Variant 100-1000 is intended for DNA/RNA extraction from 100 samples (including controls). The volume of test material is 1,000 µl	100
K3-1064-100-CE		for extraction of RNA/DNA from the human biological material for subsequent testing by the nucleic acid amplification. Variant 100-200M is intended for DNA/RNA extraction from 100 samples (including controls). The volume of test material is 200 µl	100
K1-11-100-CE	**DNA-sorb-AM**	for DNA extraction from biological material for subsequent testing for the presence of DNA of pathogens which causes sexually transmitted infections. Includes controls	100
K1-12-100-CE		for DNA extraction from biological material for subsequent testing for the presence of DNA of pathogens which causes sexually transmitted infections. Without controls	100
K2-9-Et-100-CE	**RIBO-prep**	for extraction of total RNA/DNA from human biological material	100

Transport media

REF	Name	Reagent description	Test quantity
958-CE	**Transport Medium for Storage and Transportation of Respiratory Swabs**	Reagent intended for sampling, transportation and storage of upper respiratory tract swabs. 1 vial of 100 ml	200
952-CE	**Transport Medium with Mucolyti cAgent**	Reagent intended for transportation and storage of swabs and discharges collected from the urogenital tract, throat, rectum, eye conjunctiva, and erosive-ulcerative lesions of human skin and mucous membranes for subsequent analysis of the material for STIs and other reproductive tract infections by polymerase chain reaction (PCR). 1 vial of 50 ml	100

Reagents for pre-treatment of biological material

REF	Name	Description	Test quantity
137-CE	**Hemolitic**	Reagent for pretreatment of whole peripheral and umbilical cord blood. 1 vial of 100 ml	100
180-CE	**Mucolysin**	Reagent is intended for pretreatment of mucous clinical material for conducting microscopic studies or nucleic acid extraction for carrying out molecular genetic studies. 2 vials of 100 ml	—

Reagent kit for reverse transcription

REF	Name	Description	Test quantity
K3-4-100-CE	**REVERTA-L**	Reagents kit is intended for cDNA synthesis from an RNA template for subsequent analysis by the polymerase chain reaction (PCR)	100
K3-4-50-CE			50

WARNING!

All reagent kits are designed for the use in a laboratory performing molecular biological (PCR) tests of clinical material for the presence of pathogens of infectious diseases, in compliance with the sanitary and epidemiologicaly rules.

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