

Product list
2021

Product list of the PCR diagnostic kits
Compliance with the requirements of international standard EN ISO 13485:2016

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The RealBest diagnostic kits are intended for the detection of infectious agents and determination of genetic polymorphisms by real-time PCR. In-house developed technologies turn the procedure of real-time PCR analysis from a complicated process requiring extensive specialized knowledge and practical experience into a standardized, simple, and readily reproducible procedure. AO Vector-Best offers user-friendly solutions for diagnostics such as lyophilized ready-to-use mixtures with a long shelf-life and transportation temperature of up to 25 °C.

RealBest kits:

- Complex approach to PCR diagnostics encompassing sample preparation, PCR and evaluation of results
- Simple nucleic acids extraction using magnetic particles
- Lyophilized Ready Master Mix for the detection of DNA/RNA in real-time
- Compatible PCR and RT-PCR protocols for the detection of a wide range of pathogens
- Noncompetitive Internal Control
- Storage of all components at the same temperature (2–8)°C for up to 12 months; no freezing required
- Transportation at the temperature up to 25 °C for no more than 10 days is acceptable

Different formats:

Str-format: Ready Master Mix is lyophilized in 0.2 ml white tubes of the 96-tube plate. The only step required for the reaction procedure is the addition of extracted DNA/RNA samples.

Fla-format: Master Mix for 10 reactions is lyophilized in 2.0 ml tubes. After dilution with Recovery Solution, dispense Master Mix to the optimized tubes, add the extracted DNA/RNA, and run the test.

Uni-format: Ready Master Mix is lyophilized in clear 0.2 ml tubes. Add the extracted DNA/RNA into the tubes and run the test. One tube – one reaction.

Real-time PCR Systems and formats:





Str, Uni and **Fla** formats can be used with: CFX96™ (Bio-Rad, USA), DTprime (DT-96), DTlite (DNA-Technology, Russia).





Fla, Uni can be used with: Rotor-Gene® Q (Qiagen, Germany), Rotor-Gene® 6000/3000 (Corbett Research, Australia).

Number of simultaneously detected pathogens	Detection channels
1	FAM, ROX
2	FAM, ROX, HEX (JOE)
3 and more	FAM, ROX, HEX (JOE), Cy5

Other real-time PCR cyclers with similar technical characteristics can be used after validation.

Nucleic acids extraction

Cat. No.	Kit name	Number of tests	Clinical specimens	Comments
Manual nucleic acids extraction				
C-8891	RealBest DeltaMag HBV/HCV/HIV (variant 1-8)	48 (6x8)	Blood serum/plasma Sample volume – 1 ml	Extraction of HBV DNA HCV RNA HIV RNA
C-8893	RealBest DeltaMag HBV/HCV/HIV (variant 0.25-8)	48 (6x8)	Blood serum/plasma Sample volume – 250 µl	Extraction of HBV DNA HCV RNA HIV RNA
C-8895	RealBest extraction 1000	48 (8x6)	Blood serum/plasma Sample volume – 1 ml	Extraction of DNA and RNA
C-8896 	RealBest extraction 100	48 (8x6)	Whole blood, blood serum/plasma, leukocyte blood fraction, biopsy material, cerebrospinal fluid, urine, feces, epithelial cell specimens, tick suspensions, water samples Sample volume – 100 µl	Extraction of DNA and RNA
C-8889 	RealBest DNA-extraction 3 (variant 6x16)	96 (6x16)	Blood serum/plasma, urine, epithelial cell specimens Sample volume – 100 µl	Extraction of DNA
C-8897 	RealBest DNA-extraction 2	96 (4x24)	Blood serum/plasma, biopsy material, cerebrospinal fluid, urine, epithelial cell specimens Sample volume – 100 µl	Extraction of DNA
C-8899 	RealBest DNA-express	100	Epithelial cell specimens from the cervical canal, urethra, vagina, posterior laryngeal wall, conjunctiva; semen, saliva, urine	Extraction of DNA in 15 minutes. Lysis Reagent – 100 tubes, Transport solution – 100 tubes
C-8845	RealBest-Genetics DNA- express	50	Whole blood, buccal epithelium	Extraction of DNA in 20 minutes
Automated nucleic acids extraction				
C-8846	RealBest GenMag	96 (2x48)	Whole blood Sample volume – 100 µl	Extraction of human DNA (for KingFisher Flex systems)
C-8849	RealBest DeltaMag HBV/HCV/HIV (variant 1-16)	48 (3x16)	Blood serum/plasma Sample volume – 1 ml	Extraction of HBV DNA HCV RNA HIV RNA (for robotic platforms TECAN Freedom EVO)
C-8850	RealBest DeltaMag HBV/HCV/HIV (variant 0.25-16)	48 (3x16)	Blood serum/plasma Sample volume – 250 µl	Extraction of HBV DNA HCV RNA HIV RNA (for robotic platforms TECAN Freedom EVO)

<i>Cat. No.</i>	<i>Kit name</i>	<i>Number of tests</i>	<i>Clinical specimens</i>	<i>Comments</i>
C-8880	RealBest DeltaMag HBV/HCV/HIV (variant 0.25-48)	96 (2x48)	Blood serum/plasma Sample volume – 250 µl	Extraction of HBV DNA HCV RNA HIV RNA (for KingFisher Flex systems)
C-8847 	RealBest Sorbitus variant 4x24	96 (4x24)	Nasal, nasopharyngeal, and oropharyngeal swabs, sputum, bronchoalveolar lavage fluid Recommended for respiratory infections Sample volume – 100 µl	Extraction of DNA and RNA (for any open-type automated NA extraction systems)
C-8848 	variant 1x96	96 (1x96)		
C-8883 	RealBest UniMag	96 (4x24)	Whole blood, blood serum/plasma, leukocyte blood fraction, biopsy material, cerebrospinal fluid, urine, feces, epithelial cell specimens, tick suspensions, water samples Sample volume – 100 µl	Extraction of DNA and RNA (for KingFisher Flex systems)
C-8878	RealBest DNA-extraction 3 (variant 2x48)	96 (2x48)	Blood serum/plasma, urine, epithelial cell specimens Sample volume – 100 µl	Extraction of DNA (for KingFisher Flex systems and robotic platforms TECAN Freedom EVO)
Solutions and components				
C-8814	RealBest Hemolytic	50	Whole blood	Solution for Hemolysis 2 vials, 14 ml each
C-8879	Lysis Reagent (A)	192	Epithelial cell specimens from the cervical canal, urethra, vagina, posterior laryngeal wall, conjunctiva; semen, saliva, urine	Extraction of DNA 1 vial, 140 ml
C-8887	Lysis Reagent (M)	200	Epithelial cell specimens from the cervical canal, urethra, vagina, posterior laryngeal wall, conjunctiva; semen, saliva , urine	Extraction of DNA 200 tubes, 500 µl each
C-8881 	Internal Control sample	192	Control of the efficiency of nucleic acids extraction and the absence of PCR inhibitors in specimens	Kit contents: – Internal Control sample, lyophilized – 6 vials; – Recovery Solution for Control samples – 2 vials, 4 ml each; Specimen Diluent - 4 vials, 15 ml each

Transport solutions

<i>Cat. No.</i>	<i>Kit name</i>	<i>Number of tests</i>	<i>Clinical specimens</i>	<i>Comments</i>
C-8894 CE	Transport solution (1)	100	Biopsy material, epithelial cell specimens from the cervical canal, urethra, vagina, posterior laryngeal wall, conjunctiva	100 tubes, 300 µl each
C-8885 CE	Transport solution (2)	200	Biopsy material, epithelial cell specimens from the cervical canal, urethra, vagina, posterior laryngeal wall, conjunctiva	200 tubes, 1000 µl each
C-8867 CE	Transport solution (M)	100	Nasal, nasopharyngeal, and oropharyngeal swabs, sputum	Buffer solution containing 5M of guanidine in 13x75 mm screw cap tubes 100 tubes, 2 ml each

Blood-borne infections



<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>	<i>Sensitivity</i>	<i>Comments</i>
Differential detection of human immunodeficiency virus types 1 and 2 RNA, hepatitis B virus DNA, hepatitis C virus RNA					
D-0592	RealBest HBV/HCV/HIV PCR	Str	48	HBV - 10 IU/ml HCV - 15 IU/ml HIV-1 - 30 IU/ml HIV-2 - 50 IU/ml	Qualitative detection

Human immunodeficiency virus

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>	<i>Sensitivity</i>	<i>Comments</i>
Proviral DNA of human immunodeficiency virus (HIV-1)					
D-0186	RealBest DNA HIV (WB)	Uni*	48	25 copies in the sample volume	Qualitative detection Clinical specimen: whole blood
D-0187	RealBest DNA HIV (DS)	Uni*	48	50 copies in the sample volume	Qualitative detection Clinical specimen: dry blood stains
Human immunodeficiency virus RNA					
D-0198	RealBest RNA HIV Form 1	Uni*	48	20 IU/ml	Qualitative detection
D-0197	Form 2	Uni	48		
D-0199	RealBest RNA HIV quantitative	Uni*	48	20 IU/ml	Quantification
D-0195	RealBest RNA HIV Set 1	Str	96	20 IU/ml	Quantification
D-0196	Set 2	Str	96		Qualitative detection

Kits Uni* contain reagents for nucleic acids extraction

Hepatitis viruses A, B, C, D, G

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>	<i>Sensitivity</i>	<i>Comments</i>
Hepatitis A virus RNA					
D-0398 	RealBest RNA HAV Set 1	Str	48	50 copies in the sample	Qualitative detection
Hepatitis B virus DNA					
D-0598 D-0597	RealBest DNA HBV Form 1 Form 2	Uni* Uni	48 48	5 IU/ml	Qualitative detection
D-0599	RealBest DNA HBV quantitative	Uni*	48	5 IU/ml	Quantification
D-0595 D-0596	RealBest HBV PCR Variant 1/quantitative Variant 2	Str Str	96 96	5 IU/ml	Quantification Qualitative detection
Hepatitis C virus RNA					
D-0798 D-0790	RealBest RNA HCV Form 1 Form 2	Uni* Uni	48 48	15 IU/ml	Qualitative detection
D-0799	RealBest RNA HCV quantitative	Uni*	48	15 IU/ml	Quantification
D-0794 D-0795	RealBest HCV PCR Set 1 Set 2	Str Str	96 96	15 IU/ml	Quantification Qualitative detection
Genotyping of hepatitis C virus					
D-0797	RealBest RNA HCV-genotype	Str	48	15 IU/ml 400 IU/ml	Quantification and genotyping
D-0793	RealBest RNA HCV-1/2/3	Uni	48	400 IU/ml	Genotyping
Hepatitis D virus RNA					
D-0998	RealBest RNA HDV Set 1	Str	48	10 copies/ml	Qualitative detection
Hepatitis G virus RNA					
D-1298 	RealBest RNA HGV Set 1	Str	48	50 copies/ml	Qualitative detection

Kits **Uni*** contain reagents for nucleic acids extraction

Quantification of human DNA in clinical specimens

Cat. No.	Kit name	Format	Number of tests
D-8888 CE	RealBest Sample Validation Set 1	Str	96
Sexually transmitted infections (STIs)			
Cat. No.	Kit name	Format	Number of tests
CE0123 D-1998 D-1996	RealBest DNA Chlamydia trachomatis Set 1 Set 2	Str Fla	96 100
CE D-2098 D-2096	RealBest DNA Trichomonas vaginalis Set 1 Set 2	Str Fla	96 100
D-4396 CE	RealBest DNA Mycoplasma genitalium Set 1	Str	96
CE D-4498 D-4496	RealBest DNA Neisseria gonorrhoeae Set 1 Set 2	Str Fla	96 100
D-4494 CE	RealBest DNA Neisseria gonorrhoeae test 2 Set 1	Str	96
CE D-1898 D-1896	RealBest DNA Treponema pallidum Set 1 Set 2	Str Fla	96 100
Multiplex kits for STIs detection			
D-0455	RealBest DNA Chlamydia trachomatis/Ureaplasma species Set 1	Str	96
D-0492 CE0123	RealBest DNA Chlamydia trachomatis/Ureaplasma urealyticum Set 1	Str	96
D-0490 CE0123	RealBest DNA Chlamydia trachomatis/Mycoplasma genitalium Set 1	Str	96
D-0498 CE0123	RealBest DNA Chlamydia trachomatis/Trichomonas vaginalis Set 1	Str	96
CE0123 D-0457 D-0458	RealBest DNA Chlamydia trachomatis/Neisseria gonorrhoeae Set 1 Set 2	Str Fla	96 100
CE D-0494 D-0493	RealBest DNA Mycoplasma hominis/Mycoplasma genitalium Set 1 Set 2	Str Fla	96 100
D-0496 CE	RealBest DNA Trichomonas vaginalis/Neisseria gonorrhoeae Set 1	Str	96
D-0477 CE	RealBest DNA Trichomonas vaginalis/Gardnerella vaginalis Set 1	Str	96
D-0444 CE	RealBest DNA Candida albicans/Gardnerella vaginalis Set 1	Str	96
D-0488	RealBest PCR-12 STD*	Str	96

* *Chlamydia trachomatis*, *Ureaplasma species*, *Mycoplasma hominis*, *Mycoplasma genitalium*, *Trichomonas vaginalis*, *Neisseria gonorrhoeae*, *Candida albicans*, *Gardnerella vaginalis*, cytomegalovirus, herpes simplex virus types 1 and 2, human papillomavirus types 16 and 18 (differential detection)

Vaginal dysbiosis

Cat. No.	Kit name	Format	Number of tests
D-2292 CE	RealBest DNA <i>Ureaplasma</i> species Set 1	Str	96
D-2298 CE	RealBest DNA <i>Ureaplasma urealyticum</i> Set 1	Str	96
D-4398 CE	RealBest DNA <i>Mycoplasma hominis</i> Set 1	Str	96
D-4598 CE	RealBest DNA <i>Gardnerella vaginalis</i> Set 1	Str	96
D-4205	RealBest Lactonorm* Set 1	Str	96
D-4228	RealBest DNA <i>Streptococcus agalactiae</i> Set 1	Str	96
Multiplex kits for dysbiosis detection			
D-2294 CE	RealBest DNA <i>Ureaplasma urealyticum/Ureaplasma parvum</i> Set 1	Str	96
D-2295	Set 2	Fla	100
D-4207	RealBest DNA <i>Gardnerella vaginalis/Atopobium vaginae</i> Set 1	Str	96
D-4212	RealBest DNA <i>Prevotella species/Leptotrichia amnionii group</i> Set 1	Str	96
D-4201 CE	RealBest DNA <i>Mobiluncus mulieris/Mobiluncus curtisii</i> Set 1	Str	96
D-4214 CE	RealBest DNA <i>Saccharimonas aalborgensis (TM7)/BVAB2</i> Set 1	Str	96
D-4225	RealBest Bioflor**	Str	96

Mycoses

Cat. No.	Kit name	Format	Number of tests
D-4698 CE	RealBest DNA <i>Candida albicans</i> Set 1	Str	96
Multiplex kits for mycoses detection			
D-0448 CE	RealBest DNA <i>Candida albicans/Fungi</i> Set 1	Str	96
D-0440 CE	RealBest DNA <i>Candida parapsilosis/Candida tropicalis</i> Set 1	Str	96
D-0442 CE	RealBest DNA <i>Candida famata/Candida guilliermondii</i> Set 1	Str	96
D-0446 CE	RealBest DNA <i>Candida krusei/Candida glabrata</i> Set 1	Str	96

* Determination of the percentage of *Lactobacillus* sp. in the total number of bacteria

** Determination of the percentage of *Lactobacillus* sp. and bacteria causing vaginosis and vaginitis (*Gardnerella vaginalis*, *Atopobium vaginae*, *Prevotella species*, *Leptotrichia amnionii group*, *Streptococcus species*, *Enterococcus species*, and *Staphylococcus species*) in the total number of bacteria

Human papillomaviruses

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>
D-8447	RealBest DNA HPV 44 Set 1	Str	96
D-8448 CE	RealBest DNA HPV 66 Set 1	Str	96
D-8488 CE	RealBest DNA HPV 68 Set 1	Str	96
Multiplex kits for HPV detection			
CE D-8475	RealBest DNA HPV 6/11 Set 1	Str	96
D-8481	Set 2	Fla	100
CE D-8473	RealBest DNA HPV 16/18 Set 1	Str	96
D-8474	Set 2	Fla	100
D-8459	RealBest DNA HPV 26/51 Set 1	Str	96
D-8471 CE	RealBest DNA HPV 31/33 Set 1	Str	96
D-8469 CE	RealBest DNA HPV 35/45 Set 1	Str	96
D-8446 CE	RealBest DNA HPV 6/11/44	Str	96
D-8449 CE	RealBest DNA HPV 26/53/66	Str	96
D-8451 CE	RealBest DNA HPV 68/73/82	Str	96
CE D-8444	RealBest DNA HPV HR screen (detection of human papillomavirus types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68 DNA) Set 1	Str	96
D-8445	Set 2	Fla	100
CE D-8479	RealBest DNA HPV HR genotype (differential detection of human papillomavirus types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59 DNA) Set 1	Str	96
D-8482	Set 2	Fla	99
D-8478 CE	RealBest DNA HPV HR genotype quantitative (differential detection and quantification of human papillomavirus types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59 DNA) Set 1	Str	96

Human herpes viruses and TORCH-infections

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>
D-1798	RealBest DNA Toxoplasma gondii Set 1	Str	48
D-1796	Set 2	Fla	50
CE ₀₁₂₃ D-2598	RealBest RNA Rubella Set 1	Str	48
D-2596	Set 2	Fla	50
D-2801 CE	RealBest DNA Parvovirus B19 Set 1	Str	96
D-2193 CE	RealBest DNA HSV-1,2 Set 1	Str	96

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>
CE D-2185	RealBest DNA VZV Set 1	Str	48
D-2187	Set 2	Fla	50
CE D-2198	RealBest DNA EBV (quantification is possible) Set 1	Str	96
D-2196	Set 2	Fla	100
CE ₀₁₂₃ D-1598	RealBest DNA CMV (quantification is possible) Set 1	Str	96
D-1596	Set 2	Fla	100
D-2150 CE	RealBest DNA HHV-6 Set 1	Str	48
D-2148 CE	RealBest DNA HHV-8 Set 1	Str	48
Multiplex kits for human herpes viruses detection			
CE D-2195	RealBest DNA HSV-1/HSV-2 Set 1	Str	96
D-2197	Set 2	Fla	100
CE D-0489	RealBest DNA CMV/HSV-1,2 Set 1	Str	96
Tick-borne infections			
<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>
CE D-1198	RealBest RNA TBEV Set 1	Str	48
D-1199	Set 2	Fla	50
CE D-1498	RealBest DNA Borrelia burgdorferi s.l. Set 1	Str	48
D-1499	Set 2	Fla	50
CE D-1495	RealBest DNA Borrelia miyamotoi Set 1	Str	48
D-1496	Set 2	Fla	50
D-5389	RealBest DNA Babesia species Set 1	Str	48
D-5390	Set 2	Fla	50
D-5391	RealBest DNA Rickettsia species Set 1	Str	48
D-5392	Set 2	Fla	50
Multiplex tick-borne infections detection			
D-5396 CE	RealBest DNA Borrelia burgdorferi s.l./RNA TBEV Set 1	Str	48
D-5393	RealBest DNA Rickettsia sibirica/Rickettsia heilongjiangensis Set 1	Str	48
D-5394	Set 2	Fla	50
CE D-5398	RealBest DNA Anaplasma phagocytophilum/Ehrlichia muris, Ehrlichia chaffeensis Set 1	Str	48
D-5399	Set 2	Fla	50

Nosocomial infections

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>
D-4222 CE	RealBest DNA Enterococcus faecalis/Enterococcus faecium Set 1	Str	96
D-5601 CE	RealBest DNA Acinetobacter baumannii/Stenotrophomonas maltophilia Set 1	Str	96
D-5603 CE	RealBest DNA Staphylococcus aureus/mecA/lukS-PV Set 1	Str	96
D-5605 CE	RealBest DNA Klebsiella pneumoniae/Pseudomonas aeruginosa Set 1	Str	96

Respiratory infections

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>
D-5580 CE	RealBest RNA SARS-CoV-2	Str	96
D-5586	RealBest DNA Bordetella species/Bordetella pertussis/Bordetella bronchiseptica Set 1	Str	48
D-5590 CE	RealBest DNA Streptococcus pneumoniae Set 1	Str	48
D-5592 CE	RealBest DNA Haemophilus influenzae Set 1	Str	48
D-5594 CE ₀₁₂₃	RealBest DNA Chlamydophila pneumoniae Set 1	Str	48
D-5596 CE	RealBest DNA Mycoplasma pneumoniae Set 1	Str	48

Gastrointestinal infections

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>
D-3798 CE	RealBest DNA Helicobacter pylori Set 1	Str	48

Tuberculosis

<i>Cat. No.</i>	<i>Kit name</i>	<i>Format</i>	<i>Number of tests</i>
CE D-2398	RealBest DNA MBTC Form 1	Uni*	48
D-2399	Form 2	Str	96

Kits Uni* contain reagents for nucleic acids extraction

Single nucleotide polymorphisms (SNPs) and mutations in human genes

Cat. No.	Kit name	Format	Number of tests	Gene: polymorphism
Thrombophilia and hyperhomocysteinemia				
D-3801	RealBest-Genetics Hemostasis (12)	Str	48	F2:20210G/A; F5:1691G/A; F7:10976G/A; F13A1: c.103G/T; FGB:-455G/A; ITGA2:807C/T; ITGB3:1565T/C; PAI-1:- 6755G/4G; MTR:2756 A/G; MTRR:66 A/G; MTHFR:677C/T; MTHFR:1298A/C
D-3802 CE	RealBest-Genetics Hemostasis (F2/F5)	Str	48	F2:20210G/A; F5:1691G/A
D-3803 CE	RealBest-Genetics Hemostasis (MTR/MTRR/MTHFR)	Str	48	MTR:2756A/G; MTRR:66A/G; MTHFR:677C/T; MTHFR:1298A/C
D-3831 CE	RealBest-Genetics Hemostasis FGB/F13A1	Str	48	FGB: -455G/A; F13A1: c.103G/T
D-3832 CE	RealBest-Genetics Hemostasis ITGA2/F7	Str	48	ITGA2:807C/T; F7:10976G/A
D-3833 CE	RealBest-Genetics Hemostasis PAI-1/ITGB3	Str	48	PAI-1:-6755G/4G; ITGB3:1565T/C
Metabolic disorder				
D-3804 CE	RealBest-Genetics MCM6	Str	48	MCM6: -13910C/T
Cardiovascular diseases				
D-3805	RealBest-Genetics NOS3 T(-786)C/G894T	Str	48	NOS3: T(-786)C; G894T
D-3806	RealBest-Genetics ACE Del287/AGT T704C	Str	48	ACE: Del287; AGT: T704C
D-3817	RealBest-Genetics CYP11B2 C(-344)T/ADD1 G1378T	Str	48	CYP11B2: C(-344)T; ADD1: G1378T
D-3818	RealBest-Genetics AGT C521T/AGTR1 A1166C	Str	48	AGT: C521T; AGTR1: A1166C
D-3819	RealBest-Genetics GNB3 C825T/AGTR2 G1675A	Str	48	GNB3: C825T; AGTR2: G1675A
Predicting the success of HCV therapy				
D-3811 CE	RealBest-Genetics Interleukin 28B	Str	48	IL28B: rs12979860 C/T; rs8099917 T/G

Cat. No.	Kit name	Format	Number of tests	Gene: polymorphism
Reproductive function				
D-3814 CE	RealBest-Genetics AZF microdeletions	Str	48	AZFa locus: sY-84, sY-86 AZFb locus: sY-127, sY-134 AZFc locus: sY-254, sY-255
Hereditary breast and ovarian cancer				
D-3807	RealBest-Genetics BRCA1 185delAG/3875del4	Str	48	BRCA1: 185delAG; 3875del4
D-3808	RealBest-Genetics BRCA1 3819del5/T300G	Str	48	BRCA1: 3819del5; T300G
D-3809	RealBest-Genetics BRCA1 2080delA (insA)/BRCA2 6174delT	Str	48	BRCA1: 2080delA (insA); BRCA2: 6174delT
D-3812	RealBest-Genetics BRCA1 4153delA/5382insC	Str	48	BRCA1: 4153delA; 5382insC
D-3810	RealBest-Genetics NBS1	Str	48	NBS1: 657del5
D-3816	RealBest-Genetics CHEK2	Str	48	CHEK2: 1100delC; IVS2+1G>A
Hereditary HFE-associated hemochromatosis (hemochromatosis type I)				
D-3822 CE	RealBest-Genetics Hemochromatosis (HFE 187 C/G)	Str	48	HFE: 187 C/G (His63Asp)
D-3823 CE	RealBest-Genetics Hemochromatosis (HFE 193 A/T)	Str	48	HFE: 193 A/T (Ser65Cys)
D-3824 CE	RealBest-Genetics Hemochromatosis (HFE 845 G/A)	Str	48	HFE: 845 G/A (Cys282Tyr)
Autoimmune disease				
D-3836	RealBest-Genetics HLA-B*27	Str	48	HLA-B*27
Pharmacogenetics of warfarin				
D-3827 CE	RealBest-Genetics Warfarin (CYP2C9*2/CYP2C9*3)	Str	48	CYP2C9: 430 C/T; 1075 A/C
D-3828 CE	RealBest-Genetics Warfarin (VKORC1/CYP4F2*3)	Str	48	VKORC1: 1173 C/T; CYP4F2: 1297 C/T
D-3829 CE	RealBest-Genetics Warfarin (GGCX)	Str	48	GGCX: rs11676382 C/G
D-3830 CE	RealBest-Genetics Warfarin (CYP2C9*5/CYP2C9*6)	Str	48	CYP2C9: 1080 C/G; 818 delA
Gilbert's syndrome				
D-3813	RealBest-Genetics UGT1A1	Str	48	UGT1A1: 5TA/6TA/7TA/8TA