MOLECULAR DIAGNOSTICS PRODUCT CATALOGUE 2026/2027

ASSAYS & AUTOMATION



GOLD STANDARD DIAGNOSTICS

AB ANALITICA
A Gold Standard Diagnostics Company

Effective March 3, 2026



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ABOUT US

AB ANALITICA, a Gold Standard Diagnostics Company

For over 30 years, AB ANALITICA has been developing its expertise in the field of molecular diagnostics, with a focus on the design, development, production, and marketing of in vitro diagnostic solutions.

In 2026, AB ANALITICA joined Gold Standard Diagnostics, a leading network of companies providing diagnostic solutions for the clinical, industrial and animal health segments. This marks a new chapter in our journey, bringing together complementary expertise and creating further opportunities to serve our customers and partners across the diagnostics field.

Our work is guided by a focus on our customers, continuous development, and the values that have supported AB ANALITICA throughout its journey:



Design, Development and Innovation

Our in-house Research and Development team supports the design and development of our diagnostic solutions, bringing together expertise in medical biotechnology, engineering, computer science, and pharmacogenetics.

By combining the knowledge of our researchers and product specialists, we aim to develop practical solutions that respond to the evolving needs of the diagnostics sector and our customers. Through continuous development and attention to technological advances, we regularly review and expand our portfolio, including automation products and other solutions designed to support users in their daily work.

Production Excellence

Our in vitro diagnostics (IVD) products are manufactured at our headquarters in Padua, where dedicated laboratories support our Production and Research activities.

Throughout the production process, our products undergo defined quality controls to ensure consistent quality and reliability.



Quality and Certifications

Our commitment to quality and excellence is supported by the following certifications:

- **ISO 13485: Medical Devices** Our certification to ISO 13485, the internationally recognized standard for quality management systems applicable to medical devices, covers activities relating to the design, development, production, and marketing of in vitro diagnostic medical devices (IVDs).
- **ISO 9001: Quality Management System** We are certified to ISO 9001, demonstrating our commitment to rigorous quality management practices across all areas of our business.
- **Certification in Compliance with Article 10(8) of Regulation (EU) 2017/746** This certification supports our compliance with the applicable European regulatory requirements for the continued supply of our diagnostic devices, subject to the applicable regulatory conditions.

Corporate Transparency

We believe that open and clear communication helps build strong, lasting relationships with our customers, partners, and industry colleagues.

- **Research and Innovation: Sharing and Collaboration.** We share our research through publications and work with universities and research institutions. We also take part in conferences and workshops to exchange knowledge and learn from others.
- **Efficient and Open Teamwork.** Open dialogue and collaboration is encouraged within our team. We value different perspectives and welcome feedback and new ideas that support continuous improvement in human diagnostics.
- **Reliability and Reproducibility.** We aim to provide reliable and reproducible products, supported by clear and comprehensive product information. This helps our customers use our solutions with confidence and obtain consistent results.
- **Social and Ethical Responsibility.** Our company is committed to responsible practices in the research and development of biotechnological products. We work to comply with applicable laws and regulations and to improve our approach to sustainability and social responsibility, while sharing relevant information about our progress.

Environmental Sustainability

AB ANALITICA has introduced a number of initiatives to improve energy efficiency and reduce greenhouse gas emissions. These include HVAC automation, the installation of eco-friendly refrigeration systems, and a photovoltaic system. These measures support our ongoing efforts to use energy more efficiently and reduce our environmental impact.

REALQUALITY
Real-Time PCR

- Qualitative and quantitative assays.
- Kit stability of up to 18 months.
- Most assays require 5 µL of extracted nucleic acid.
- dUTP/UNG system for contamination prevention.
- Endogenous or exogenous internal control (IC), multiplexed with the pathogen target.
- Internal control included in the extraction step for acellular matrices

These features apply to most REALQUALITY kits.

Transplant Monitoring



Rejection and infection are among the main causes of transplant failure and are closely associated and interdependent processes. Immunosuppressive therapies increase the risk of infectious complications. Therefore, regular monitoring of patients before and after transplantation is essential for the early detection and appropriate management of both infections and rejection.

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**CMV**	Identification of ***Cytomegalovirus***	RQ-09-6M	100 tests	Manual
	Quantification standards for *Cytomegalovirus*	RQ-10-SM	12 runs	Manual
REALQUALITY RQ-**EBV**	Identification of ***Epstein-Barr virus***	RQ-11-6M	100 tests	Manual
	Quantification standards for *Epstein-Barr virus*	RQ-122-SM	12 runs	Manual
REALQUALITY RS-**HSV 1**	Identification of ***Herpes simplex virus* type 1**	RQ-05-6M	100 tests	Manual
	Quantification standards for *Herpes simplex virus* type 1	RQ-06-SM	12 runs	Manual
REALQUALITY RS-**HSV 2**	Identification of ***Herpes simplex virus* type 2**	RQ-07-6M	100 tests	Manual
	Quantification standards for *Herpes simplex virus* type 2	RQ-108-SM	12 runs	Manual
REALQUALITY RS-**HHV 6**	Identification of ***Human herpes virus* type 6**	RQ-15-6M	100 tests	Manual
	Quantification standards for *Human herpes virus* type 6	RQ-16-SM	12 runs	Manual
REALQUALITY RQ-**HHV 7**	Identification of ***Human herpes virus* type 7**	RQ-19-6M	100 tests	Manual
	Quantification standards for *Human herpes virus* type 7	RQ-20-SM	12 runs	Manual
REALQUALITY RQ-**HHV 8**	Identification of ***Human herpes virus* type 8**	RQ-17-6M	100 tests	Manual
	Quantification standards for *Human herpes virus* type 8	RQ-18-SM	12 runs	Manual
REALQUALITY RS-**VZV**	Identification of ***Varicella-zoster virus***	RQ-35-6M	rt100 tests	Manual
	Quantification standards for *Varicella-zoster virus*	RQ-36-SM	12 runs	Manual
REALQUALITY RQ-**PARVO B19**	Identification of ***Parvovirus B19***	RQ-37-6M	100 tests	Manual
	Quantification standards for *Parvovirus B19*	RQ-38-SM	12 runs	Manual
REALQUALITY RQ-**BKV** v2.0	Identification of ***BK virus***	RQ-49-6M	100 tests	Manual
	Quantification standards for *BK virus*	RQ-50-SM	12 runs	Manual

Transplant Monitoring

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**ENTERO**	Identification of ***Enterovirus***	RQ-89-6M	100 tests	Manual
	Quantification standards for *Enterovirus*	RQ-90-SM	12 runs	Manual
REALQUALITY RQ-**ADENO**	Identification of ***Adenovirus***	RQ-93-6M	100 tests	Manual
	Quantification standards for *Adenovirus*	RQ-94-SM	12 runs	Manual
REALQUALITY RQ-**MBT Complex**	Identification of ***Mycobacterium tuberculosis complex***	RQ-85-6M	100 tests	Manual
	Quantification standards for *Mycobacterium tuberculosis complex*	RQ-86-SM	12 runs	Manual
REALQUALITY RQ-**TOXO**	Identification of ***Toxoplasma gondii***	RQ-117-6M	100 tests	Manual

Meningitis and Encephalitis

Meningitis and encephalitis are acute inflammatory diseases affecting the central nervous system. They are often serious conditions that can be caused by a variety of viral, bacterial, fungal, or parasitic pathogens. Rapid diagnosis of meningitis and encephalitis is essential for patient management and is closely associated with prognosis. Real-Time PCR technology enables rapid and efficient detection of the pathogens responsible for these infections.

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**CMV**	Identification of ***Cytomegalovirus***	RQ-09-6M	100 tests	Manual
	Quantification standards for *Cytomegalovirus*	RQ-10-SM	12 runs	Manual
REALQUALITY RQ-**EBV**	Identification of ***Epstein-Barr virus***	RQ-11-6M	100 tests	Manual
	Quantification standards for *Epstein-Barr virus*	RQ-122-SM	12 runs	Manual
REALQUALITY RS-**HSV 1**	Identification of ***Herpes simplex virus* type 1**	RQ-05-6M	100 tests	Manual
	Quantification standards for *Herpes simplex virus* type 1	RQ-06-SM	12 runs	Manual
REALQUALITY RS-**HSV 2**	Identification of ***Herpes simplex virus* type 2**	RQ-07-6M	100 tests	Manual
	Quantification standards for *Herpes simplex virus* type 2	RQ-108-SM	12 runs	Manual
REALQUALITY RS-**HHV 6**	Identification of ***Human herpes virus* type 6**	RQ-15-6M	100 tests	Manual
	Quantification standards for *Human herpes virus* type 6	RQ-16-SM	12 runs	Manual
REALQUALITY RQ-**HHV 7**	Identification of ***Human herpes virus* type 7**	RQ-19-6M	100 tests	Manual
	Quantification standards for *Human herpes virus* type 7	RQ-20-SM	12 runs	Manual

Meningitis and Encephalitis

Product	Description	Order No.	Format	Application
REALQUALITY RS-**VZV**	Identification of ***Varicella-zoster virus***	RQ-35-6M	100 tests	Manual
	Quantification standards for *Varicella-zoster virus*	RQ-36-SM	12 runs	Manual
REALQUALITY RQ-**ADENO**	Identification of ***Adenovirus***	RQ-93-6M	100 tests	Manual
	Quantification standards for *Adenovirus*	RQ-94-SM	12 runs	Manual
REALQUALITY RQ-**ENTERO**	Identification of ***Enterovirus***	RQ-89-6M	100 tests	Manual
	Quantification standards for *Enterovirus*	RQ-90-SM	12 runs	Manual
REALQUALITY RQ-**PARVO B19**	Identification of ***Parvovirus B19***	RQ-37-6M	100 tests	Manual
	Quantification standards for *Parvovirus B19*	RQ-38-SM	12 runs	Manual

Respiratory Infections

The respiratory system, due to its extensive surface area in direct contact with the external environment, is particularly susceptible to infection. Consequently, respiratory infections are among the most common infectious diseases.

Identification of the causative pathogen is essential for accurate diagnosis and appropriate patient management, including the selection of the most suitable therapy.

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**ADENO**	Identification of ***Adenovirus***	RQ-93-6M	100 tests	Manual
	Quantification standards for *Adenovirus*	RQ-94-SM	12 runs	Manual
REALQUALITY RQ-**MBT Complex**	Identification of ***Mycobacterium tuberculosis complex***	RQ-85-6M	100 tests	Manual
	Quantification standards for *Mycobacterium tuberculosis complex*	RQ-86-SM	12 runs	Manual
REALQUALITY RQ-**ENTERO**	Identification of ***Enterovirus***	RQ-89-6M	100 tests	Manual
	Quantification standards for Enterovirus	RQ-90-SM	12 runs	Manual
REALQUALITY **ResP-REM**	Identification of ***Respiratory Syncytial Virus*** (RSV), ***metapneumovirus*** (MPV) and ***enterovirus*** (EV)	RQ-134-6M	100 tests	Manual
REALQUALITY **SARS-CoV-2 5G**	Identification of the ORF1ab, N and S genes of *Severe Acute Respiratory Syndrome coronavirus 2* (***SARS-CoV-2***)	RQ-140-6M	100 tests	Manual

HPV and other Sexually Transmitted Infections (STIs)



Sexually transmitted infections (STIs) are a group of infectious diseases that are widespread worldwide and can cause acute symptoms, chronic infections, and serious long-term complications. Today, a variety of pathogens, including bacteria, viruses, fungi, and parasites, are known to cause STIs. Rapid diagnosis is important for selecting the appropriate therapy, preventing complications, and reducing the risk of transmission to others.

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**HPV HR Multiplex**	**14 GENOTYPES** Identification of **14 HPV genotypes with high oncogenic risk:** 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68. **Genotyping of HPV 16 and HPV 18.**	RQ-97-6M	100 tests	Manual
		RQ-97R-6M	100 tests	Manual LC 480 II
REALQUALITY RQ-**HPV Screen**	**14 GENOTYPES** Identification of **14 HPV genotypes with high oncogenic risk**: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68. **Genotyping of HPV 16 and HPV 18.** Validated according to Meijer guidelines (Iacobellis et al., 2018; Meijer C. et al., 2009)	RQ-123-6M	100 tests	Manual
REALQUALITY RQ-**HPV HR/LR Multiplex**	**22 GENOTYPES** Identification of **14 genotypes at high oncogenic risk, 6 at possible high oncogenic risk and 2 at low oncogenic risk** of *Human Papilloma Virus*. **Genotyping of HPV 6, HPV 11, HPV 16 and HPV 18**.	RQ-99-6M	100 tests	Manual
		RQ-99R-6M	100 tests	Manual LC 480 II
REALQUALITY RQ-**Multi HPV Detection**	**28 GENOTYPES** Identification of **14 genotypes at high oncogenic risk, 6 at possible high oncogenic risk and 8 at low oncogenic risk** of the *Human Papilloma Virus*. **Genotyping of HPV 16 and HPV 18.**	RQ-103-6M	100 tests	Manual
		RQ-103R-6M	100 tests	Manual LC 480 II
REALQUALITY **STI-7**	Identification of ***Chlamydia trachomatis***, ***Neisseria gonorrhoeae***, ***Mycoplasma genitalium***, ***Mycoplasma hominis***, ***Trichomonas vaginalis***, ***Ureaplasma urealyticum*** *and* ***Ureaplasma parvum***	RQ-196	117 tests	Manual
REALQUALITY **STI-3**	Identification of ***Chlamydia trachomatis***, ***Neisseria gonorrhoeae*** *and* ***Mycoplasma genitalium***	RQ-197	117 tests	Manual

Zoonotic Diseases



Toxoplasma gondii is a widespread intracellular parasite that can infect humans and establish persistent tissue cysts, particularly in the central nervous system. Cats and other felids are the definitive hosts, producing environmentally resistant oocysts that are shed in feces. Transmission occurs mainly through ingestion of tissue cysts in undercooked meat, oocysts in contaminated food, water, or soil, or through congenital transmission.

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**TOXO**	Identification of ***Toxoplasma gondii***	RQ-117-6M	100 tests	Manual

Antibiotic Resistance



Antimicrobial resistance (AMR) represents a major global threat to health and development and requires urgent action to help achieve the Sustainable Development Goals (SDGs).

The World Health Organization (WHO) identifies AMR as one of the major global public health challenges. The inappropriate use and misuse of antimicrobials contribute to the emergence and spread of resistant pathogens.

Product	Description	Order No.	Format	Application
REALQUALITY **Carba-Screen**	Identification of **Carbapenem Resistance Classes** (Carbapenemases Class B, Class A+D, Acinetobacter OXA) -Screening-	RQ-170-6M Var C1	100 tests	Manual
	Identification of genes encoding resistance to **carbapenems** and **colistin** (IMP, VIM, NDM, KPC, OXA-48, MCR1,2,4) -Identification-	RQ-170-4M Var C3	50 tests	Manual

Fungal Infections



Candida is a genus of yeasts that is naturally present in the human body and can cause infections ranging from mild conditions, such as oral or vaginal candidiasis, to severe systemic infections, particularly in immunocompromised patients.

Aspergillus is a common genus of filamentous fungi found in the environment. It can cause aspergillosis, a group of infections that primarily affect the respiratory system and may spread to other organs, posing a serious health risk, especially in patients with weakened immune systems.

Product	Description	Order No.	Format	Application
REALQUALITY **Candida Plus**	Identification of ***Candida albicans, Candida auris, Candida glabrata, Candida krusei, Candida parapsilosis, Candida tropicalis, Candida spp.***	RQ-174-6M	100 tests	Manual
REALQUALITY **Aspergillus**	Identification of ***Aspergillus fumigatus, Aspergillus terreus, Aspergillus spp.***	RQ-171-6M	100 tests	Manual

Monitoring Antiviral Therapy (ART)



The total amount of HIV DNA in blood or peripheral blood mononuclear cells (PBMCs) provides information on the pathogenesis and course of HIV infection. In untreated patients, total HIV DNA levels may provide an indication of disease progression. Baseline levels of total HIV DNA have also been investigated as potential predictors of response to antiretroviral therapy. Monitoring total HIV DNA may support treatment personalization and serve as a marker of long-term treatment efficacy in patients receiving antiretroviral therapy (Sarmati et al., 2007; Parisi et al., 2012).

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**HIV DNA** **RUO**	Identification of **HIV-1 DNA**	RQ-125-6M	100 tests	Manual
	Quantification standards for HIV-1 DNA	RQ-126-SM	10 runs	
	Beta Globin Standard	RQ-128-SM	10 runs	

Coagulation



Coagulation disorders are conditions that affect the body's ability to form and regulate blood clots. They can occur when the body does not produce sufficient or functional clotting factors, which are essential for blood clot formation and bleeding control. Molecular testing is an important tool for identifying genetic variants associated with an increased risk of hereditary thrombophilia.

Product	Description	Order No.	Format	Application
REALQUALITY **THROMBO FII-FVL**	Identification and genotyping of the **Factor II G20210A** and **Factor V Leiden** mutations	RQ-177-6M	100 tests	Manual
REALQUALITY **THROMBO MTHFR**	Identification and genotyping of the **MTHFR C677T** and **MTHFR A1298C** mutations	RQ-178-6M	100 tests	Manual
REALQUALITY RS-**FACTOR V LEIDEN**	Identification and genotyping of the **G1691A mutation (Leiden)** in the gene coding for Coagulation Factor V	RQ-25-6M	100 tests	Manual
REALQUALITY RS-**FACTOR V H1299R**	Identification and genotyping of the **H1299R** mutation (HR2 haplotype) in the gene coding for Coagulation Factor V	RQ-111-6M	100 tests	Manual
REALQUALITY RQ-**FACTOR V Y1702C**	Identification and genotyping of the **Y1702C** mutation in the gene coding for Coagulation Factor V	RQ-69-6M	100 tests	Manual
REALQUALITY RS-**FACTOR II G20210A**	Identification and genotyping of the **G20210A** mutation in the gene coding for Coagulation Factor II	RQ-27-6M	100 tests	Manual
REALQUALITY RS-**MTHFR A1298C**	Identification and genotyping of the **A1298C** mutation in the gene coding for MTHFR	RQ-31-6M	100 tests	Manual
REALQUALITY RS-**MTHFR C677T**	Identification and genotyping of the **C677T** mutation in the gene coding for MTHFR	RQ-29-6M	100 tests	Manual

Coagulation

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**PAI-1 4G/5G**	Identification and genotyping of the **-675 4G/5G** polymorphism in the gene coding for the plasminogen activator type 1 inhibitor	RQ-119-6M	100 tests	Manual
REALQUALITY RQ-**ACE (I/D)**	Identification and genotyping of the **insertion/deletion (I/D)** polymorphism in the **intron 16** of the gene coding for the angiotensin converting enzyme (ACE)	RQ-75-6M	100 tests	Manual

Hemochromatosis



Hemochromatosis is an autosomal recessive genetic disorder characterized by abnormal iron metabolism. The disease causes excessive iron accumulation in the body due to increased intestinal absorption of dietary iron. The liver is the primary organ affected, with iron accumulation potentially leading to hepatomegaly and irreversible damage, including liver cirrhosis. Other organs that may be affected include the heart, pancreas, endocrine glands, and joints.

Product	Description	Order No.	Format	Application
REALQUALITY RS-**HEMO C282Y**	Identification and genotyping of the **C282Y** mutation in the HFE gene	RQ-39-6M	100 tests	Manual
REALQUALITY RS-**HEMO H63D**	Identification and genotyping of the **H63D** mutation in the HFE gene	RQ-41-6M	100 tests	Manual
REALQUALITY RQ-**HEMO S65C**	Identification and genotyping of the **S65C** mutation in the HFE gene	RQ-43-6M	100 tests	Manual

Oncohematology



Molecular analysis in oncohematology enables the identification of molecular alterations associated with blood cancers. These alterations can be highly specific, supporting diagnosis, refining disease classification and prognosis, and guiding targeted therapeutic approaches.

Highly sensitive molecular biology techniques also enable disease monitoring and assessment of treatment response, including the detection of minimal residual disease and early signs of relapse.

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**BCR-ABL p210 One-Step**	Identification of translocation ***t(9;22) (q34;q11), variant p210 – BCR-ABL p210 (M-bcr)*** Reverse transcription and PCR in **one step**	RQ-105-6M	100 tests	Manual
	Single-plasmid **quantification standards** for *BCR-ABL p210 (M-bcr), ABL* and *GUSB* transcripts	RQ-54-SM	6 runs	

Oncohematology

Product	Description	Order No.	Format	Application
REALQUALITY RQ-**BCR-ABL p190 One-Step**	Identification of translocation **t(9;22) (q34;q11), variant p190 – BCR-ABL p190(m-bcr)** Reverse transcription and PCR in **one step**	RQ-115-6M	100 tests	Manual
	Single-plasmid **quantification standards** for BCR-ABL p190 (m-bcr), ABL transcripts	RQ-116-SM	6 runs	
REALQUALITY RS-**WT-1**	Identification of the expression of **Wilms Tumor (WT 1) gene**	RQ-S57-96	96 tests	Manual
	Quantification standards for WT 1 and the ABL gene transcripts	RQ-58-ST	10 runs	
REALQUALITY RS-**AML1-ETO**	Identification of the **t(8;21) (q22;q22) translocation**	RQ-S59-96	96 tests	Manual
	Quantification standards for AML1-ETO and ABL transcripts	RQ-60-ST	10 runs	
REALQUALITY RS-**INV 16**	Identification of the **inv(16)(p13;q22) inversion**	RQ-S61-96	96 tests	Manual
	Quantification standards for INV-16 and ABL transcripts	RQ-62-ST	10 runs	
REALQUALITY RQ-**PML-RARa bcr1 One-Step**	Identification of translocation **t(15;17) (q22;q21), variant bcr1 – PML-RARA bcr1**	RQ-179-6M	100 tests	Manual
	Quantification standards for PML-RARA bcr1 and ABL transcripts	RQ-180-SM	6 runs	
REALQUALITY RQ-**PML-RARa bcr2 One-Step**	Identification of translocation **t(15;17) (q22;q21), variant bcr2 – PML-RARA bcr2**	RQ-181-6M	100 tests	Manual
	Quantification standards for PML-RARA bcr2 and ABL transcripts	RQ-182-SM	6 runs	
REALQUALITY RQ-**PML-RARa bcr3 One-Step**	Identification of translocation **t(15;17) (q22;q21), variant bcr3 – PML-RARA bcr3**	RQ-183-6M	100 tests	Manual
	Quantification standards for PML-RARA bcr3 and ABL transcripts	RQ-184-SM	6 runs	
p210 RNA Reference	**Reference RNA** for molecular identification and/or quantification of the **BCR-ABL p210 transcript**	RQ-185-SM	10 runs	Manual

Other Reagents

Product	Description	Order No.	Format	Application
Rev-T Kit RQ variant RUO	RNA reverse transcription kit for Real-Time PCR applications	06-R1-25	25 tests	Manual
		06-R1-50	50 tests	

The Roche instruments Lightcycler 2.0 (LC 2.0) and Lightcycler 480 II (LC 480 II) require an instrument-specific color compensation file/object for correct reading of the fluorescence signals.
The color compensation file/object has to be created once before using the Real-Time PCR assays and used for all subsequent analysis runs.

REALQUALITY LC 2.0 Color compensation kit	Kit for creating an instrument-specific color compensation file for Roche Lightcycler 2.0 Real-Time PCR system	RQ-SCLC2	For 1 color compen-sation file	Manual
REALQUALITY LC 480 Color compensation kit	Kit for creating an instrument-specific color compensation file for Roche Lightcycler 480 Real-Time PCR system version II	RQ-SCLC48	For 1 color compen-sation object	Manual



AUTOMATION

GENEQUALITY® 2050
TwentyFifty

Sample To Result Real-Time PCR System

GENEQUALITY® 2050 is a fully automated sample-to-result system enabling nucleic acid extraction from primary tubes, Real-Time PCR amplification, and automated result analysis.



REALQUALITY Real-Time PCR Kits Validated for Automation on GENEQUALITY2050

Sexually Transmitted Infections

- REALQUALITY STI-7
- REALQUALITY STI-3 A
- REALQUALITY RQ-Multi HPV Detection
- REALQUALITY RQ-HPV Screen

Antibiotic Resistance

- REALQUALITY Carba-Screen

Versatile Extraction

- Processes up to **32 samples** per run
- Scalable extraction capacity
- Magnetic bead-based extraction technology

Integrated Real-Time PCR Thermal Cycler

- Flexible amplification capabilities
- Up to **48 PCR tests** per run (Positive and Negative Controls included)
- Supports up to **16 different assays** (quantitative and qualitative)

Lightning-fast Performance

- Time to result: **<150 min**
- Hands-on-time: **5 min**

Advanced Data Analysis

- Highly **user-friendly interface**
- Quantitative analysis using virtual standard curves
- Integrated database management system
- **LIMS connectivity**
- Bidirectional

Product	Description	Order No.	Format
GENEQUALITY® 2050	Fully integrated Sample-To-Result Real-Time PCR system.	08-GQ2050-01	1 instrument
GENEQUALITY® 2050 Extraction	Kit for the purification of viral DNA/ RNA, bacterial DNA and genomic DNA with magnetic particle technology, from different types of biological samples.	05-25P-3A	192 tests

REVERSE LINE BLOT
Genetics

Coagulation



Coagulation disorders are conditions that affect the body's ability to form and regulate blood clots. They can occur when the body does not produce sufficient or functional clotting factors, which are essential for blood clot formation and bleeding control. Genetic abnormalities affecting these factors can lead to hereditary thrombophilia. Molecular testing is an important tool for identifying genetic variants associated with an increased risk of hereditary thrombophilia.

Product	Description	Order No.	Format	Application
GENEQUALITY **AB-THROMBO TYPE PLUS**	Simultaneous identification of mutations in the genes coding for **Factor V Leiden G1691A (Arg506Gln), Factor II G20210A, MTHFR C677T, MTHFR A1298C, PAI 1 4G/5G, Factor V (HR2) H1299R** by Multiplex PCR and Reverse Line Blot	04-71A-20 M	20 tests	Manual
		04-71A-20 A	20 tests	Dynablot Heat, Autoblot 3000H, ProfiBlot™ T48

Genetic Disorders



Some genetic alterations can predispose individuals to celiac disease, while microdeletions of the Y chromosome can cause male infertility. Molecular analysis enables the identification of these alterations, supporting the diagnosis of genetic predisposition and associated conditions. Early identification of these genetic alterations can help guide appropriate clinical evaluation and patient management.

Product	Description	Order No.	Format	Application
GENEQUALITY **AZF Y-TYPE**	Identification of **deletions at the AZF locus** by Multiplex PCR and Reverse Line Blot	04-18A-20 M	20 tests	Manual
		04-18A-20 A	20 tests	Dynablot Heat, Autoblot 3000H, ProfiBlot™ T48
GENEQUALITY **CD-TYPE v2.0**	Identification of genetic susceptibility to **celiac disease** by Multiplex PCR and Reverse Line Blot. Interpretive software included.	02-14A-20 M	20 tests	Manual
		02-14A-20 A	20 tests	Dynablot Heat, Autoblot 3000H, ProfiBlot™ T48

REVERSE LINE BLOT
Virology

HCV



Hepatitis C virus (HCV) has a highly variable genome, with seven major genotypes identified (Smith et al., 2013; Murphy et al., 2015). Each genotype comprises several subtypes, designated by lowercase letters, and each subtype includes numerous genetic variants (Simmonds et al., 2005).

HCV has a single-stranded RNA genome containing coding regions and highly conserved untranslated regions (UTRs). The 5' UTR can provide useful information for the identification of genotypes 1–5, 6a–b, and 7 (Pickett et al., 2011; Chevaliez et al., 2009). Simultaneous analysis of the 5' UTR and CORE regions allows more accurate assignment of HCV genotypes and subtypes (Chevaliez et al., 2009).

Product	Description	Order No.	Format	Application
AMPLIQUALITY HCV TYPE PLUS	Identification of **genotypes 1-7** of the Hepatitis C virus (HCV) and **subtypes a and b of genotype** 1, by Reverse transcription, PCR and Reverse Line Blot of the 5'UTR and CORE regions. Interpretive software included	03-05-20 M	20 tests	Manual
		03-05-20 A	20 tests	Dynablot Heat, Autoblot 3000H, ProfiBlot™ T48

HPV



Human papillomavirus (HPV) infection is caused by a DNA virus belonging to the Papillomaviridae family. Most HPV infections are asymptomatic and clear spontaneously. However, persistent infection with certain HPV types can cause genital warts or precancerous lesions. Depending on the site affected, these lesions can increase the risk of cancers of the cervix, vulva, vagina, penis, anus, mouth, and throat.

HPV16 and HPV18 are the high-risk types most strongly associated with cervical cancer. HPV6 and HPV11 are considered low-risk types and are primarily associated with genital warts and recurrent respiratory papillomatosis.

Product	Description	Order No.	Format	Application
AMPLIQUALITY HPV TYPE EXPRESS v3.0	Identification and typing of Human Papilloma Virus by single step PCR and Reverse Line Blot. The system is able to identify the following 40 HPV genotypes: **6, 11, 16, 18, 26, 31, 33, 35, 39, 40, 42, 43, 44, 45, 51, 52, 53, 54, 55, 56, 58, 59, 61, 62, 64, 66, 67, 68 (a and b), 69, 70, 71, 72, 73, 81, 82, 83, 84, 87, 89, 90**	04-18A-20 M	20 tests	Manual
		04-18A-20 A	20 tests	Dynablot Heat, Autoblot 3000H, ProfiBlot™ T48
HPV-TYPE EXPRESS Strip Reader	Software for interpretation and report generation for the AMPLIQUALITY HPVTYPE EXPRESS kit	08-RLB-32	1 CD	

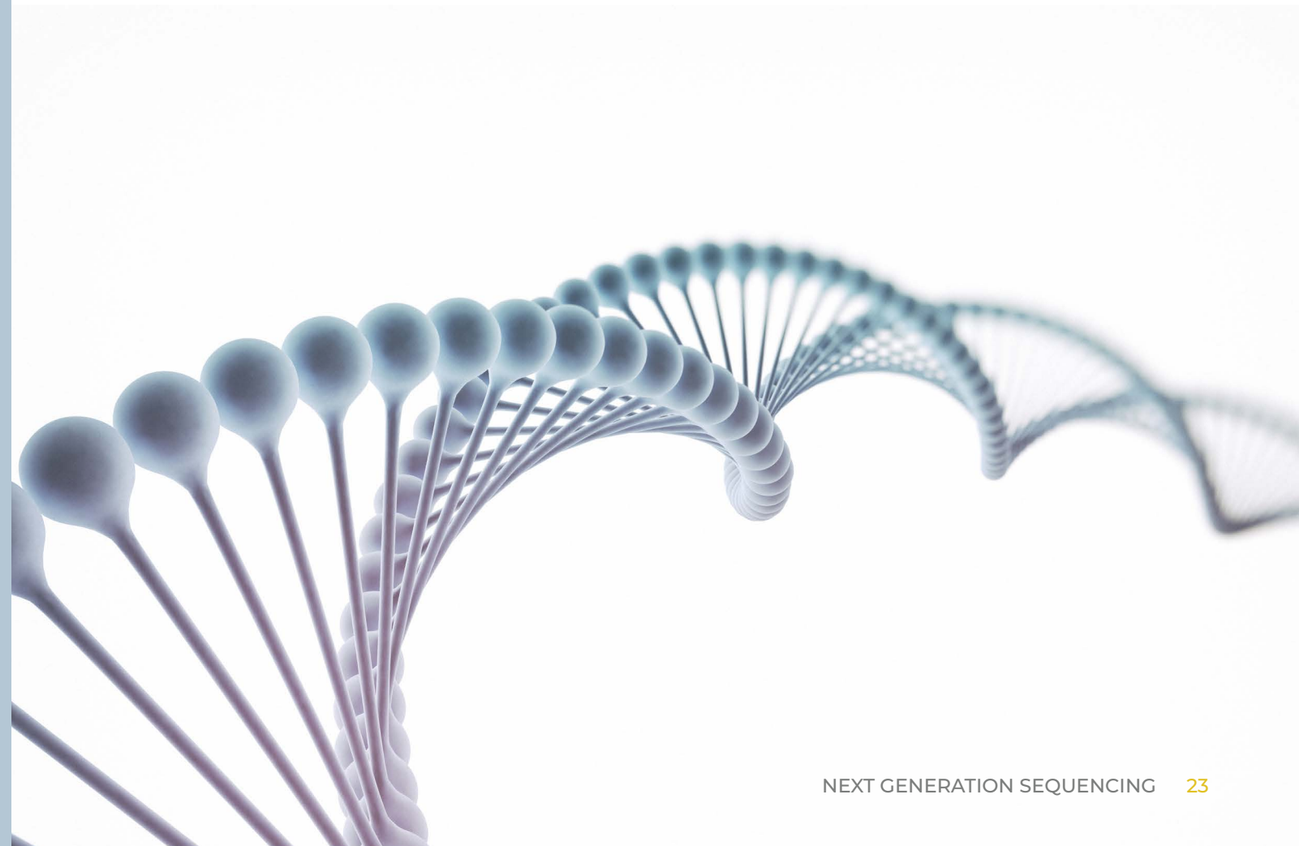
NEXT GENERATION SEQUENCING

GENEQUALITY® Whole Exome Sequencing

GENEQUALITY Library Prep, GENEQUALITY Purification Kit, and GENEQUALITY Unique Dual Indexes are in vitro diagnostic medical devices intended for use together by qualified personnel to prepare libraries for subsequent diagnostic applications based on Next-Generation Sequencing (NGS) technologies.

The libraries are prepared from high-quality genomic DNA isolated from human cells. The devices provide, respectively, reagents for enzymatic DNA fragmentation and library preparation, reagents for library purification, and universal adapters.

Product	Order No.	Format
GENEQUALITY® Library Prep	04-N01-6M	96 tests
GENEQUALITY® Purification kit	04-N02-6M	96 tests
GENEQUALITY® Unique Dual Indexes	04-N03-6M	96 tests
GENEQUALITY® Whole Exome Sequencing	04-NWE-6M	8x12 rxns



FERTILITY

Seminal Fluid Analysis

Ready-to-use solutions and kits for the analysis and staining of sperm cells by microscopy or spectrophotometry.

Product	Description	Order No.	Format
LIFE TEST	Test for differentiation of viable from non-viable spermatozoa, regardless of their motility.	00-01R-50	50 tests
SWELLING TEST	Test for assessment of the membrane integrity of sperm cells.	00-02R-50	50 tests
HISTON COLOR TEST	Test for assessment of the maturation state of sperm cells by staining of histones in the cell nucleus.	00-03R-50	50 tests
DECON TEST	Test for assessment of the maturation state of sperm cells by analysis of the chromosome-decondensation process in the cell nucleus.	00-04R-50	50 tests
ROUND CELL TEST	Test for assessment of nemaspermic chromatin.	00-05R-50	50 tests
FRUCTOSE	Test for assessment of the D-Fructose content in seminal fluid (UV absorption spectrophotometry).	20-FK00100	100 tests
ZINC	Test for assessment of the Zinc content in serum, plasma, urine and seminal fluid without deproteinization (colorimetric test).	20-FK00200	50 tests
CITRIC ACID (for seminal fluid)	Test for assessment of the Citric Acid content in seminal fluid by UV absorption spectrophotometry.	20-FK00250	100 tests
SET of CONTROLS for Fructose, Zinc, Citric Acid	Controls for analysis of biochemical parameters of seminal fluid.	20-FK00400	3 vials of 1mL

BREATH TESTING

BREATHQUALITY UBT

^{13}C-Urea Breath Test for the diagnosis of gastroduodenal infection with *Helicobacter pylori.*

Single-dose oral solution containing 75 mg of 13C-urea/10 mL, intended for the in vivo diagnosis of Helicobacter pylori infection in adults and children by breath testing.

- Liquid formulation.
- Ready to use.
- Authorized for pediatric use.
- Free from preservatives, colorants, and flavors.
- Tested for allergic reactions.



Product	Description	Order No.	Format
BREATHQUALITY - UBT	Breath test for in vivo diagnosis of gastroduodenal infection by Helicobacter pylori. Oral solution, single dose (75 mg 13C urea/10 mL)	11-75-00	1 test

Test Tubes for Breath Testing

The vials feature a flat base and an inner wall with a baked-on silicone coating, providing a clearer view of the breath sample without interfering with analysis. They are equipped with a screw cap and pierceable rubber septum.
Suitable for analysis using mass spectrometers and infrared analyzers.



- 2 glass vials (12 mL) with blue cap, labeled (BASE-).
- 2 glass vials (12 mL) with red cap, labeled (POST-).

Straws:

- 2 straws in Polypropylene (PP).

Product	Description	Order No.
AB 13C-AMINOPIRINA	**^{13}C Aminopyrine:** Substrate for study of liver function	13-01A-75
AB 13C-METACETINA	**^{13}C Methacetin:** Substrate for study of liver function	13-02A-75
AB 13C-TRIGLICERIDI MISTI	**Mixed ^{13}C Triglycerides:** Substrate for study of pancreatic lipase activity in the duodenum	13-07A-250
AB 13C-ACIDO OTTANOICO	**^{13}C Octanoic Acid:** Substrate for evaluation of gastric emptying	13-09A-100



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