



ANALITICA
ADVANCED BIOMEDICINE

Catalogue 2024



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AB ANALITICA: 30 Years of Excellence in Molecular Diagnostics

For over 30 years, AB ANALITICA has been at the forefront of molecular diagnostics. Our long history has witnessed unwavering dedication to the design, development, production, and marketing of in vitro diagnostics, a constantly evolving field. What guides us on this journey is our commitment to our customers and our core values:

SECURITY



CERTIFIED QUALITY



INNOVATION



SUPPORT



Design, Development and Innovation

We take pride in being one of the few Italian entities with its own Research and Development sector. Our multidisciplinary team includes experts in medical biotechnology, engineering, computer science, and pharmacogenetics. The synergy between our researchers and product specialists enables us to provide comprehensive answers and effective solutions to our customers. We consistently work closely with our clients, focusing on innovation to continuously update our portfolio with automation products and solutions that best meet user needs.

Production Excellence

Our in vitro diagnostics (IVD) are manufactured at the main headquarters in Padua, where 2600 square meters of laboratories are dedicated to the Production and Research Departments. The entire production cycle undergoes rigorous quality controls, ensuring the utmost reliability of our products. Additionally, we have two locations dedicated to research and design: one at the AREA SCIENCE PARK in Padriciano - Trieste (TS) and the other within the H-Bio Puglia srl district.

AB ANALITICA is synonymous with excellence and constant commitment. Our history is characterized by progress and dedication to providing services and products of the highest quality in the field of molecular diagnostics. We are grateful for the trust of our customers and look forward to the future with enthusiasm, aware of the importance of continuing to drive innovation in this crucial sector for human health.



Corporate Transparency: Our Commitment to Open and Honest Communication

At AB ANALITICA, transparency is the key to our innovation mission. We believe that only through open and honest communication can lasting relationships of trust be built with our partners, customers, and industry colleagues. Here's how we implement transparency in our company:

Transparent Research and Development

Research and Development are the heart of our business. We understand the importance of sharing meaningful results and innovations with the scientific community. We publish our studies, actively collaborate with universities and research institutions, and participate in conferences and workshops to share our discoveries and learn from others.

Involvement of Our Scientists

Our scientists are our most valuable resource. We support open dialogue and collaboration within our team. Every voice matters, and we encourage feedback and innovative ideas for continuous progress in molecular biology.

Transparency in Production Processes

Our products must be reliable and reproducible. We provide comprehensive details on product specifications so that customers can have confidence in the results of their tests.

Social and Ethical Responsibility

The company is committed to maintaining high ethical standards in the research and development of biotechnological products. We consistently strive to adhere strictly to laws and regulations, in addition to closely monitoring and publicly disclosing our progress towards sustainability and social responsibility goals.

Commitment to Eco-Sustainability: Our Contribution to Reducing Greenhouse Gas Emissions

In 2018, AB ANALITICA took significant steps towards environmental excellence by investing in initiatives aimed at energy conservation and the reduction of climate-influencing gas emissions.

HVAC (Heating, Ventilation, and Air Conditioning) Automation

We have implemented an HVAC Automation system for air conditioning, optimizing our energy use and reducing waste.

49.5 kWp Photovoltaic System

We have installed a 49.5 kWp photovoltaic system, enabling the production of clean and sustainable energy directly from solar resources.

Installation of Eco-Freon Refrigeration Cells

Our implementation of refrigeration cells utilizing Eco-Freon technology has not only enabled us to maintain our products at precisely controlled temperatures but has also played a pivotal role in minimizing our environmental footprint.

Impressive Energy Savings

Thanks to these initiatives, we are able to declare significant savings:

- 34% savings in terms of kWh.
- Savings equivalent to 35.8 metric tons of oil equivalent (TOE).
- Savings of 35.6 kilograms of equivalent CO₂ (kg of CO₂ eq).

At AB ANALITICA, we believe it is our duty to protect our planet for future generations. These results are the outcome of our commitment to building an environmentally sustainable company, and they consistently drive us to explore new ways to enhance our environmental impact.

Excellence and Quality in Medical Diagnostic Devices: Our Certified Commitment

At AB ANALITICA, the quality of our services and products is an absolute priority. Our dedication to excellence is affirmed by the following certifications and collaborations:

UNI EN ISO 9001: Quality Management System

We are certified according to the UNI EN ISO 9001 standard, attesting to the adoption of rigorous quality management standards in all aspects of our business. This allows us to ensure effective processes, reliable services, and high-quality products.

UNI CEI EN ISO 13485: In Vitro Diagnostic Medical Devices (IVD)

Our certification to UNI CEI EN ISO 13485 confirms our expertise in the design, development, production, and marketing of in vitro diagnostic medical devices (IVD). This specific standard is crucial to ensuring the safety and effectiveness of our devices used in the medical field.

Certification of the Quality Management System in Compliance with Article 10(8) of Regulation (EU) 2017/746

We have obtained certification in compliance with Article 10(8) of Regulation (EU) 2017/746, concerning in vitro diagnostic medical devices. This recognition attests to our compliance with European standards regulating the industry.

Collaboration with TÜV SÜD, Notified Body (0123)

To ensure the quality of our certifications and medical devices, we rely on TÜV SÜD, an internationally renowned Notified Body with notification number 0123. This collaboration ensures that we adhere to the highest standards in the industry.

At AB ANALITICA, we are constantly committed to surpassing quality standards to provide products and services that contribute to the well-being of individuals and the advancement of medicine. Our dedication to quality is evidenced by these prestigious certifications and our close collaboration with a trusted partner such as TÜV SÜD. We take pride in contributing to the health and well-being of individuals through our in vitro diagnostic medical devices.

AB ANALITICA:

*"We produce valuable solutions, serving better diagnostics.
Every day, we innovate, envision alternatives, and grow alongside
our customers."*

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CERTIFICATE ● CERTIFICATION ● 證書證明	 TÜV SÜD GROUP Technische Überwachungs- und Zertifizierungsgesellschaft mbH Rheinlandstraße 1 90471 Regensburg Germany			Product Name:		
<hr/>						
EC Certificate						
EU Examination Certification						
Certificate (VDE) issued in vitro Diagnostic Medical Devices (IVDD), Annex IV (I) List A)						
No. V7 058438 0014 Rev. 01						
Manufacturer:		AB ANALITICA Srl Via Spadina, 74 38127 Pinoballo TN 38127				
Product:		NAT-test for Hepatitis C marker				
<p>The Certification Body of TÜV SÜD Product Service Center declares that a design examination has been carried out on the respective device in accordance with IVDG Annex IV (I). The design of the device conforms to the requirements of the Directive. All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details see certificate validity at www.tuvusd.com/certificates/V7_058438-0014-Rev_01.</p>						
Report No.:		ITA188888_SCH_V7				
Valid from:		2022-04-21				
Valid until:		2025-02-26				
<hr/>						
Date:		2022-04-22				
		Christof Uebachs Head of Certification/Hoofd Bedrijf				
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Page 1 of 2						
TÜV SÜD Product Service Centre is a notified body with identification no. 01229						
TU						



REALQUALITY

Real Time PCR



For most kits:

Qualitative and quantitative assays.

PKG: 50/100 - 48/96 tests.

Stability of kits up to 18 months.

Most assays require 5 μ L of extracted nucleic acid.

dUTP/UNG system for contamination prevention.

Endogenous or Exogenous internal control (IC) in mutiplex with the pathogen target.

Internal control to be included in the extraction step for acellular matrices.





Rejection and infection are the main causes of transplant failure and are two intimately associated and interdependent processes. Immunosuppressive therapies create a favorable condition for the onset of infectious processes and it is therefore extremely important to monitor the patient periodically before and after the transplant to prevent the occurrence of rejection.

Product	Description	Code	Pkg	Application
REALQUALITY RQ-CMV	Identification of Cytomegalovirus	RQ-09-4M	50 tests	Manual
		RQ-09-6M	100 tests	
		RQ-09-4A	50 tests	GQ X120, Max, 2050
		RQ-09-6A	100 tests	
	Quantification standards for <i>Cytomegalovirus</i>	RQ-10-SM	12 runs	Manual
		RQ-10-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-EBV	Identification of Epstein-Barr virus	RQ-11-4M	50 tests	Manual
		RQ-11-6M	100 tests	
		RQ-11-4A	50 tests	GQ X120, Max, 2050
		RQ-11-6A	100 tests	
	Quantification standards for <i>Epstein-Barr virus</i>	RQ-122-SM	12 runs	Manual
		RQ-122-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RS-HSV 1	Identification of Herpes simplex virus tipo 1	RQ-05-4M	50 tests	Manual
		RQ-05-6M	100 tests	
		RQ-05-4A	50 tests	GQ X120, Max, 2050
		RQ-05-6A	100 tests	
	Quantification standards for <i>Herpes simplex virus tipo 1</i>	RQ-06-SM	12 runs	Manual
		RQ-06-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RS-HSV 2	Identification of Herpes simplex virus tipo 2	RQ-07-4M	50 tests	Manual
		RQ-07-6M	100 tests	
		RQ-07-4A	50 tests	GQ X120, Max, 2050
		RQ-07-6A	100 tests	
	Quantification standards for <i>Herpes simplex virus tipo 2</i>	RQ-108-SM	12 runs	Manual
		RQ-108-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RS-HHV 6	Identification of Human herpes virus tipo 6	RQ-15-4M	50 tests	Manual
		RQ-15-6M	100 tests	
		RQ-15-4A	50 tests	GQ X120, Max, 2050
		RQ-15-6A	100 tests	
	Quantification standards for <i>Human herpes virus tipo 6</i>	RQ-16-SM	12 runs	Manual
		RQ-16-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-HHV 7	Identification of Human herpes virus tipo 7	RQ-19-4M	50 tests	Manual
		RQ-19-6M	100 tests	
		RQ-19-4A	50 tests	GQ X120, Max, 2050
		RQ-19-6A	100 tests	
	Quantification standards for <i>Human herpes virus tipo 7</i>	RQ-20-SM	12 runs	Manual
		RQ-20-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-HHV 8	Identification of Human herpes virus tipo 8	RQ-17-4M	50 tests	Manual
		RQ-17-6M	100 tests	
		RQ-17-4A	50 tests	GQ X120, Max, 2050
		RQ-17-6A	100 tests	
	Quantification standards for <i>Human herpes virus tipo 8</i>	RQ-18-SM	12 runs	Manual
		RQ-18-SA	9 runs	GQ X120, Max, 2050

Product	Description	Code	Pkg	Application
REALQUALITY RS-VZV	Identification of Varicella-zoster virus	RQ-35-4M	50 tests	Manual
		RQ-35-6M	100 tests	
		RQ-35-4A	50 tests	GQ X120, Max, 2050
		RQ-35-6A	100 tests	
	Quantification standards for <i>Varicella-zoster virus</i>	RQ-36-SM	12 runs	Manual
		RQ-36-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-PARVO B19	Identification of Parvovirus B19	RQ-37-4M	50 tests	Manual
		RQ-37-6M	100 tests	
		RQ-37-4A	50 tests	GQ X120, Max, 2050
		RQ-37-6A	100 tests	
	Quantification standards for <i>Parvovirus B19</i>	RQ-38-SM	12 runs	Manual
		RQ-38-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-BKV	Identification of BK virus	RQ-49-4M	50 tests	Manual
		RQ-49-6M	100 tests	
		RQ-49-4A	50 tests	GQ X120, Max, 2050
		RQ-49-6A	100 tests	
	Quantification standards for <i>BK virus</i>	RQ-50-SM	12 runs	Manual
		RQ-50-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-JCV	Identification of JC virus	RQ-83-4M	50 tests	Manual
		RQ-83-6M	100 tests	
		RQ-83-4A	50 tests	GQ X120, Max, 2050
		RQ-83-6A	100 tests	
	Quantification standards for <i>JC virus</i>	RQ-84-SM	12 runs	Manual
		RQ-84-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-ENTERO	Identification of Enterovirus	RQ-89-4M	50 tests	Manual
		RQ-89-6M	100 tests	
		RQ-89-4A	50 tests	GQ X120, Max, 2050
		RQ-89-6A	100 tests	
	Quantification standards for <i>Enterovirus</i>	RQ-90-SM	12 runs	Manual
		RQ-90-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-ADENO	Identification of Adenovirus	RQ-93-4M	50 tests	Manual
		RQ-93-6M	100 tests	
		RQ-93-4A	50 tests	GQ X120, Max, 2050
		RQ-93-6A	100 tests	
	Quantification standards for <i>Adenovirus</i>	RQ-94-SM	12 runs	Manual
		RQ-94-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-MBT Complex	Identification of Mycobacterium tuberculosis complex	RQ-85-4M	50 tests	Manual
		RQ-85-6M	100 tests	
	Quantification standards for <i>Mycobacterium tuberculosis complex</i>	RQ-86-SM	12 runs	Manual
REALQUALITY RQ-TOXO	Identification of Toxoplasma gondii	RQ-117-4M	50 tests	Manual
		RQ-117-6M	100 tests	
		RQ-117-4A	50 tests	GQ X120, Max, 2050
		RQ-117-6A	100 tests	
REALQUALITY ResP-PnJ *	Identification and quantification (standards included) of Pneumocystis jirovecii	RQ-150-6A	96 tests	Manual and GQ X120, Max, 2050

* Lyophilized format



Meningitis and encephalitis are acute inflammatory diseases affecting the central nervous system. They are often very serious and can be due to various etiological agents of viral, bacterial, fungal or parasitic origin. The rapidity in the diagnosis of meningitis/encephalitis and the patient's prognosis are closely related and the Real-Time PCR technology enables rapid and efficient diagnosis.

Product	Description	Code	Pkg	Application
REALQUALITY RQ-CMV	Identification of Cytomegalovirus	RQ-09-4M	50 tests	Manual
		RQ-09-6M	100 tests	
		RQ-09-4A	50 tests	GQ X120, Max, 2050
		RQ-09-6A	100 tests	
	Quantification standards for <i>Cytomegalovirus</i>	RQ-10-SM	12 runs	Manual
		RQ-10-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-EBV	Identification of Epstein-Barr virus	RQ-11-4M	50 tests	Manual
		RQ-11-6M	100 tests	
		RQ-11-4A	50 tests	GQ X120, Max, 2050
		RQ-11-6A	100 tests	
	Quantification standards for <i>Epstein-Barr virus</i>	RQ-122-SM	12 runs	Manual
		RQ-122-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RS-HSV 1	Identification of Herpes simplex virus tipo 1	RQ-05-4M	50 tests	Manual
		RQ-05-6M	100 tests	
		RQ-05-4A	50 tests	GQ X120, Max, 2050
		RQ-05-6A	100 tests	
	Quantification standards for <i>Herpes simplex virus tipo 1</i>	RQ-06-SM	12 runs	Manual
		RQ-06-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RS-HSV 2	Identification of Herpes simplex virus tipo 2	RQ-07-4M	50 tests	Manual
		RQ-07-6M	100 tests	
		RQ-07-4A	50 tests	GQ X120, Max, 2050
		RQ-07-6A	100 tests	
	Quantification standards for <i>Herpes simplex virus tipo 2</i>	RQ-108-SM	12 runs	Manual
		RQ-108-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RS-HHV 6	Identification of Human herpes virus tipo 6	RQ-15-4M	50 tests	Manual
		RQ-15-6M	100 tests	
		RQ-15-4A	50 tests	GQ X120, Max, 2050
		RQ-15-6A	100 tests	
	Quantification standards for <i>Human herpes virus tipo 6</i>	RQ-16-SM	12 runs	Manual
		RQ-16-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-HHV 7	Identification of Human herpes virus tipo 7	RQ-19-4M	50 tests	Manual
		RQ-19-6M	100 tests	
		RQ-19-4A	50 tests	GQ X120, Max, 2050
		RQ-19-6A	100 tests	
	Quantification standards for <i>Human herpes virus tipo 7</i>	RQ-20-SM	12 runs	Manual
		RQ-20-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RS-VZV	Identification of Varicella-zoster virus	RQ-35-4M	50 tests	Manual
		RQ-35-6M	100 tests	
		RQ-35-4A	50 tests	GQ X120, Max, 2050
		RQ-35-6A	100 tests	
	Quantification standards for <i>Varicella-zoster virus</i>	RQ-36-SM	12 runs	Manual
		RQ-36-SA	9 runs	GQ X120, Max, 2050

Product	Description	Code	Pkg	Application
REALQUALITY RQ-ADENO	Identification of Adenovirus	RQ-93-4M	50 tests	Manual
		RQ-93-6M	100 tests	
		RQ-93-4A	50 tests	GQ X120, Max, 2050
		RQ-93-6A	100 tests	
	Quantification standards for <i>Adenovirus</i>	RQ-94-SM	12 runs	Manual
		RQ-94-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-ENTERO	Identification of Enterovirus	RQ-89-4M	50 tests	Manual
		RQ-89-6M	100 tests	
		RQ-89-4A	50 tests	GQ X120, Max, 2050
		RQ-89-6A	100 tests	
	Quantification standards for <i>Enterovirus</i>	RQ-90-SM	12 runs	Manual
		RQ-90-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-PARVO B19	Identification of Parvovirus B19	RQ-37-4M	50 tests	Manual
		RQ-37-6M	100 tests	
		RQ-37-4A	50 tests	GQ X120, Max, 2050
		RQ-37-6A	100 tests	
	Quantification standards for <i>Parvovirus B19</i>	RQ-38-SM	12 runs	Manual
		RQ-38-SA	9 runs	GQ X120, Max, 2050
REALQUALITY ResP-HNS *	Identification of <i>Haemophilus influenzae</i>, <i>Neisseria meningitidis</i> and <i>Streptococcus pneumoniae</i>	RQ-151-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY Meningo Bact *	Identification of <i>Streptococcus agalactiae</i>, <i>Listeria monocytogenes</i> and <i>Escherichia coli</i>	RQ-152-6A	96 tests	Manual and GQ X120, Max, 2050

* Lyophilized format

Respiratory infections



The respiratory system, due to its enormous surface area of contact with the external environment, is particularly exposed to infections and the consequent diseases are by far the most frequent pathologies.

Identification of the possible etiological agent is essential for the resolution of the pathology and the setting of the most appropriate therapy.

Product	Description	Code	Pkg	Application
REALQUALITY RQ-ADENO	Identification of Adenovirus	RQ-93-4M	50 tests	Manual
		RQ-93-6M	100 tests	
		RQ-93-4A	50 tests	GQ X120, Max, 2050
		RQ-93-6A	100 tests	
	Quantification standards for <i>Adenovirus</i>	RQ-94-SM	12 runs	Manual
		RQ-94-SA	9 runs	GQ X120, Max, 2050
REALQUALITY RQ-MBT Complex	Identification of <i>Mycobacterium tuberculosis complex</i>	RQ-85-4M	50 tests	Manual
		RQ-85-6M	100 tests	
	Quantification standards for <i>Mycobacterium tuberculosis complex</i>	RQ-86-SM	12 runs	Manual

Product	Description	Code	Pkg	Application
REALQUALITY ResP-PnJ *	Identification and quantification (standard included) of <i>Pneumocystis jirovecii</i>	RQ-150-6A	96 tests	GQ X120, Max, 2050
REALQUALITY ResP-BORD *	Identification of <i>Bordetella pertussis</i> , <i>Bordetella parapertussis</i> and <i>Bordetella holmesii</i>	RQ-147-6A	96 tests	GQ X120, Max, 2050
REALQUALITY ResP-HSM *	Identification of <i>Haemophilus influenzae</i> , <i>Streptococcus pneumoniae</i> and <i>Moraxella catarrhalis</i>	RQ-148-6A	96 tests	GQ X120, Max, 2050
REALQUALITY ResP-HNS *	Identification of <i>Haemophilus influenzae</i> , <i>Neisseria meningitidis</i> and <i>Streptococcus pneumoniae</i>	RQ-151-6A	96 tests	GQ X120, Max, 2050
REALQUALITY RQ-ENTERO	Identification of <i>Enterovirus</i>	RQ-89-4M	50 tests	Manual
		RQ-89-6M	100 tests	
		RQ-89-4A	50 tests	GQ X120, Max, 2050
		RQ-89-6A	100 tests	
	Quantification standards for Enterovirus	RQ-90-SM	12 runs	Manual
		RQ-90-SA	9 runs	GQ X120, Max, 2050
REALQUALITY ResP-Aria	Identification of respiratory viruses <i>Severe Acute Respiratory Syndrome Coronavirus 2</i> (SARS-CoV-2), <i>Influenza A</i> , <i>Influenza B</i> and <i>Respiratory Syncytial Virus</i> (RSV)	RQ-133-6M	100 tests	Manual
		RQ-133-6A	100 tests	GQ X120, 2050
REALQUALITY ResP-REM	Identification of <i>Respiratory Syncytial Virus</i> (RSV), <i>metapneumovirus</i> (MPV) and <i>enterovirus</i> (EV)	RQ-134-6M	100 tests	Manual
		RQ-134-6A	100 tests	GQ X120, 2050
REALQUALITY SARS-CoV-2 5G	Identification of the ORF1ab, N and S genes of <i>Severe Acute Respiratory Syndrome coronavirus 2</i> (SARS-CoV-2)	RQ-140-4M	50 tests	Manual
		RQ-140-6M	100 tests	
		RQ-140-6A	100 tests	GQ X120, 2050
REALQUALITY InFLU-Typing *	Identification of <i>Influenza A</i> (H1N1) pdm09, H3N2, H5N1 and H7N9 subtypes	RQ-141-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY P-InFLU *	Identification of <i>Parainfluenza 1</i> , <i>Parainfluenza 2</i> , <i>Parainfluenza 3</i> and <i>Parainfluenza 4</i>	RQ-142-4A	48 tests	Manual and GQ X120, Max, 2050
REALQUALITY ResP-AMB *	Identification of <i>Adenovirus</i> , <i>Metapneumovirus</i> and <i>Bocavirus</i>	RQ-143-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY ResP-RhinEV *	Identification of <i>Rhinovirus</i> and <i>Enterovirus</i>	RQ-144-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY Mers-CoV *	Identification of <i>MERS Coronavirus</i> (MERS-CoV)	RQ-145-4A	48 tests	Manual and GQ X120, Max, 2050
REALQUALITY h-CoVs *	Identification of <i>Coronavirus 229E</i> , <i>NL63</i> , <i>OC43</i> , <i>HKU1</i>	RQ-146-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY GAS *	Identification of <i>Streptococcus pyogenes</i> (group A (beta-hemolytic) <i>Streptococcus</i> (Strep-A))	RQ-149-6A	96 tests	Manual and GQ X120, Max, 2050

* Lyophilized format

HPV and other Sexually Transmitted Infections (STIs)

REALQUALITY
Real Time PCR



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 for millions of people each year.

Today, several pathogens, including bacteria, viruses, fungi and parasites, are known to be responsible for STIs. Rapid diagnosis is important, both to define the right therapy for the patient and to prevent possible complications and to avoid transmission to others.

Product	Description	Code	Pkg	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-97-4M	50 tests	Manual
		RQ-97-6M	100 tests	
		RQ-97R-4M	50 tests	Manual LC 480
		RQ-97R-6M	100 tests	
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-123-4M	50 tests	Manual
		RQ-123-6M	100 tests	
		RQ-123-4A	50 tests	GQ X120, 2050
		RQ-123-6A	100 tests	
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-99-4M	50 tests	Manual
		RQ-99-6M	100 tests	
		RQ-99R-4M	50 tests	Manual LC 480
		RQ-99R-6M	100 tests	
		RQ-99-4A	50 tests	GQ X120, 2050
		RQ-99-6A	100 tests	
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-103-4M	50 tests	Manual
		RQ-103-6M	100 tests	
		RQ-103R-4M	50 tests	Manual LC 480
		RQ-103R-6M	100 tests	
		RQ-103-4A	50 tests	GQ X120, 2050
		RQ-103-6A	100 tests	
REALQUALITY RQ-SevenSTI	Identification of <i>Chlamydia trachomatis</i>, <i>Neisseria gonorrhoeae</i>, <i>Mycoplasma genitalium</i>, <i>Mycoplasma hominis</i>, <i>Trichomonas vaginalis</i>, <i>Ureaplasma urealyticum</i> and <i>Ureaplasma parvum</i>	RQ-127-4M	50 tests	Manual
		RQ-127-6M	100 tests	
		RQ-127-4A	50 tests	GQ X120, Max, 2050
		RQ-127-6A	100 tests	
REALQUALITY RQ-STI CT/NG/MG	Identification of <i>Chlamydia trachomatis</i>, <i>Neisseria gonorrhoeae</i> and <i>Mycoplasma genitalium</i>	RQ-107-4M	50 tests	Manual
		RQ-107-6M	100 tests	
		RQ-107-4A	50 tests	GQ X120, Max, 2050
		RQ-107-6A	100 tests	
REALQUALITY RQ-STI CT	Identification of <i>Chlamydia trachomatis</i>	RQ-109-4M	50 tests	Manual
		RQ-109-6M	100 tests	
		RQ-109-4A	50 tests	GQ X120, Max, 2050
		RQ-109-6A	100 tests	

Gastrointestinal infections

REALQUALITY
Real Time PCR



Gastrointestinal infections of viral, bacterial, or parasitic origin cause diseases resulting in inflammation of the gastrointestinal tract (stomach, small intestine, and colon), typically manifested by diarrhea, vomiting, and abdominal pain. Prompt diagnosis is a crucial measure to provide the correct therapy in a timely manner and to control the infection.

Product	Description	Code	Pkg	Application
REALQUALITY RQ-ADENO	Identification of Adenovirus	RQ-93-4M	50 tests	Manual
		RQ-93-6M	100 tests	
		RQ-93-4A	50 tests	GQ X120, Max, 2050
		RQ-93-6A	100 tests	
	Quantification standards for Adenovirus	RQ-94-SM	12 runs	Manual
		RQ-94-SA	9 runs	GQ X120, Max, 2050
REALQUALITY NoroV*	Identification of Norovirus (GI) and Norovirus (GII)	RQ-153-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY AstroV*	Identification of Astrovirus	RQ-154-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY RotaV*	Identification of Rotavirus A	RQ-155-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY ETEC/EIEC*	Identification of Enterotoxigenic <i>Escherichia coli</i> (ETEC) and Enteroinvasive <i>Escherichia coli</i> (EIEC)/ <i>Shigella</i>	RQ-156-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY EHEC/EPEC/EIEC*	Identification of Enterohemorrhagic (EHEC), Shiga toxin producing (STEC), Enteropathogenic (EPEC) <i>Escherichia coli</i> and Enteroinvasive <i>Escherichia coli</i> (EIEC)/ <i>Shigella</i>	RQ-157-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY SCS/EIEC*	Identification of Salmonella, Campylobacter and <i>Shigella/Escherichia coli</i> EIEC	RQ-158-6A	96 tests	Manual and GQ X120, Max, 2050
REALQUALITY Gastro-P*	Identification of Cryptosporidium, Giardia lamblia and Entamoeba histolytica	RQ-159-6A	96 tests	Manual and GQ X120, Max, 2050

* Lyophilized format

Fungal infections



Candida is a genus of yeasts that normally reside in the human body. Infections caused by *Candida* can range from mild conditions like oral or vaginal candidiasis to severe systemic infections. *Candida* is a significant contributor to nosocomial infections, especially in patients undergoing antibiotic or immunocompromised treatments.

Aspergillus is a genus of filamentous fungi commonly found in the environment. Infections by *Aspergillus*, known as aspergillosis, can impact the respiratory system, particularly in immunocompromised patients, leading to symptoms such as fever, cough, and respiratory difficulties. These infections can also spread to other organs, posing a serious health risk.

Product	Description	Code	Pkg	Application
REALQUALITY Candida Plus	Identification of Candida albicans, Candida auris, Candida glabrata, Candida krusei, Candida parapsilosis, Candida tropicalis, Candida spp.	RQ-174-4M	50 tests	Manual
		RQ-174-6M	100 tests	
		RQ-174-4A	50 tests	GQ X120, Max, 2050
		RQ-174-6A	100 tests	
REALQUALITY Aspergillus	Identification of Aspergillus fumigatus, Aspergillus terreus, Aspergillus spp.	RQ-171-4M	50 tests	Manual
		RQ-171-6M	100 tests	
		RQ-171-4A	50 tests	GQ X120, Max, 2050
		RQ-171-6A	100 tests	

Monitoring Antiviral Therapy (ART)

REALQUALITY
Real Time PCR



The total amount of HIV DNA in blood or peripheral blood mononuclear cells (PBMCs) provides information on both the pathogenesis and the course of the infection. In untreated patients, total HIV DNA is indicative of progression to the established stage of the disease. The amount of total HIV DNA at baseline is predictive of response to ART. It can be useful for treatment personalization and as a marker of long-term efficacy in patients on antiretroviral treatment (Sarmati et al., 2007; Parisi et al., 2012).

Product	Description	Code	Pkg	Application
REALQUALITY RQ-HIV DNA	Identification of HIV-1 DNA	RUO-RQ-125-4M	50 tests	Manual
		RUO-RQ-125-6M	100 tests	
	Quantification standards for HIV-1 DNA	RUO-RQ-126-SM	10 runs	

Antibiotic resistance



Antimicrobial resistance (AMR) poses a global threat to health and development, necessitating urgent actions across various sectors to achieve the Sustainable Development Goals (SDGs). The World Health Organization (WHO) has declared AMR as one of the top ten global public health threats faced by humanity.

Mismanagement and abuse of antimicrobials are key factors fostering the development of drug-resistant pathogens. The economic costs of AMR are substantial. Apart from causing deaths and disabilities, resistant infections lead to longer hospital stays, the use of more expensive drugs, and pose financial challenges for those affected.

<https://www.who.int/news-room/fact-sheets/detail/antimicrobial-resistance>
Strategies to reduce the transmission of genes associated with various antimicrobial resistances in healthcare facilities primarily focus on early identification of infected patients and carriers, along with the widespread implementation of contact precautions.

Product	Description	Code	Pkg	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
		RQ-170-6A Var C1	100 tests	GQ X120, Max, 2050
	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
		RQ-170-4A Var C3	50 tests	GQ X120, Max, 2050
REALQUALITY Vancomycin	Identification of genes encoding Vancomycin resistance (VAN-A, VAN-B)	Coming soon	100 tests	Manual
		Coming soon	100 tests	GQ X120, Max, 2050

“Vector Borne” Infections



Vector-borne infections are diseases resulting from the transmission of an infectious agent from an infected animal to humans or another animal. The vectors are often arthropods such as mosquitoes, ticks, flies, fleas and lice, but also mammals such as mice and cats (e.g. *Toxoplasma gondii*), and they can transmit infectious diseases either actively or passively.

Product	Description	Code	Pkg	Application
REALQUALITY RQ-TOXO	Identification of <i>Toxoplasma gondii</i>	RQ-117-4M	50 tests	Manual
		RQ-117-6M	100 tests	
		RQ-117-4A	50 tests	GQ X120, Max, 2050
		RQ-117-6A	100 tests	
REALQUALITY BAC*	Identification of <i>Borrelia spp.</i>, <i>Anaplasma phagocitophylum</i> and <i>Coxiella burnetii</i>	RQ-160-6A	96 tests	Manual and GQ X120, Max, 2050

* Lyophilized format



Clotting disorders are dysfunctions in the body's ability to control the formation of blood clots. They occur when the body is unable to produce enough proteins, called clotting factors, needed to start clotting and stop bleeding. In cases where there is a genetic abnormality of these factors, hereditary thrombophilia can arise. Molecular testing represents the gold standard for screening for genetic defects that predispose to hereditary thrombophilia.

Product	Description	Code	Pkg	Application
REALQUALITY THROMBO FII-FVL	Identification and genotyping of the Factor II G20210A and Factor V Leiden mutations	RQ-177-4M	50 tests	Manual
		RQ-177-6M	100 tests	
		RQ-177-4A	50 tests	GQ X120, Max, 2050
		RQ-177-6A	100 tests	
REALQUALITY THROMBO MTHFR	Identification and genotyping of the MTHFR C677T and MTHFR A1298C mutations	RQ-178-4M	50 tests	Manual
		RQ-178-6M	100 tests	
		RQ-178-4A	50 tests	GQ X120, Max, 2050
		RQ-178-6A	100 tests	
REALQUALITY RS-FACTOR V LEIDEN	Identification and genotyping of the G1691A mutation (Leiden) in the gene coding for Coagulation Factor V	RQ-25-4M	50 tests	Manual
		RQ-25-6M	100 tests	
		RQ-25-4A	50 tests	GQ X120, 2050
		RQ-25-6A	100 tests	
REALQUALITY RS-FACTOR V H1299R	Identification and genotyping of the H1299R mutation (HR2 haplotype) in the gene coding for Coagulation Factor V	RQ-111-4M	50 tests	Manual
		RQ-111-6M	100 tests	
		RQ-111-4A	50 tests	GQ X120, 2050
		RQ-111-6A	100 tests	
REALQUALITY RQ-FACTOR V Y1702C	Identification and genotyping of the Y1702C mutation in the gene coding for Coagulation Factor V	RQ-69-4M	50 tests	Manual
		RQ-69-6M	100 tests	
		RQ-69-4A	50 tests	GQ X120, 2050
		RQ-69-6A	100 tests	
REALQUALITY RS-FACTOR II G20210A	Identification and genotyping of the G20210A mutation in the gene coding for Coagulation Factor II	RQ-27-4M	50 tests	Manual
		RQ-27-6M	100 tests	
		RQ-27-4A	50 tests	GQ X120, 2050
		RQ-27-6A	100 tests	
REALQUALITY RS-MTHFR A1298C	Identification and genotyping of the A1298C mutation in the gene coding for MTHFR	RQ-31-4M	50 tests	Manual
		RQ-31-6M	100 tests	
		RQ-31-4A	50 tests	GQ X120, 2050
		RQ-31-6A	100 tests	
REALQUALITY RS-MTHFR C677T	Identification and genotyping of the C677T mutation in the gene coding for MTHFR	RQ-29-4M	50 tests	Manual
		RQ-29-6M	100 tests	
		RQ-29-4A	50 tests	GQ X120, 2050
		RQ-29-6A	100 tests	
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-119-4M	50 tests	Manual
		RQ-119-6M	100 tests	
		RQ-119-4A	50 tests	GQ X120, 2050
		RQ-119-6A	100 tests	
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-75-4M	50 tests	Manual
		RQ-75-6M	100 tests	
		RQ-75-4A	50 tests	GQ X120, 2050
		RQ-75-6A	100 tests	

Hemochromatosis



Hemochromatosis is an autosomal recessive genetic disease due to a defect in iron metabolism.

The disease is characterized by excessive accumulation of iron in the body due to increased absorption of dietary iron at the level of the intestinal mucosa.

The most obvious damage is to the liver with enlargement of the organ, leading to irreversible damages such as liver cirrhosis. Other damaged organs are the heart, pancreas, endocrine organs and finally the joints.

Product	Description	Code	Pkg	Application
REALQUALITY RS-HEMO C282Y	Identification and genotyping of the C282Y mutation in the HFE gene	RQ-39-4M	50 tests	Manual
		RQ-39-6M	100 tests	
		RQ-39-4A	50 tests	CQ X120, 2050
		RQ-39-6A	100 tests	
REALQUALITY RS-HEMO H63D	Identification and genotyping of the H63D mutation in the HFE gene	RQ-41-4M	50 tests	Manual
		RQ-41-6M	100 tests	
		RQ-41-4A	50 tests	CQ X120, 2050
		RQ-41-6A	100 tests	
REALQUALITY RQ-HEMO S65C	Identification and genotyping of the S65C mutation in the HFE gene	RQ-43-4M	50 tests	Manual
		RQ-43-6M	100 tests	
		RQ-43-4A	50 tests	CQ X120, 2050
		RQ-43-6A	100 tests	

Oncohematology



Molecular analysis in the oncohematological field allows to study the molecular alterations that characterize blood cancers. These alterations can be completely specific and allow for a certain diagnosis, or the presence of a certain molecular rearrangement can make the diagnosis more precise, allow the prognosis to be better defined and a more targeted therapeutic intervention to be implemented.

The application of more sensitive Molecular Biology techniques also makes it possible to monitor the disease, to better evaluate the efficacy of a given therapy, the persistence or absence of minimal residual disease or any initial signs of relapse.

Product	Description	Code	Pkg	Application
REALQUALITY RQ-BCR-ABL p210 One-Step	Identification of translocation t(9;22) (q34;q11), variant p210 - BCR-ABL p210(M-bcr)	RQ-105-4M	50 tests	Manual
	Reverse transcription and PCR in one step	RQ-105-6M	100 tests	
	Single-plasmid quantification standards for BCR-ABL p210 (M-bcr), ABL and GUSB transcripts	RQ-54-SM	6 runs	
REALQUALITY RQ-BCR-ABL p190 One-Step	Identification of translocation t(9;22) (q34;q11), variant p190 - BCR-ABL p190(m-bcr)	RQ-115-4M	50 tests	Manual
	Reverse transcription and PCR in one step	RQ-115-6M	100 tests	
	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 (WT1) gene	RQ-S57-48	48 tests	Manual
		RQ-S57-96	96 tests	
	Quantification standards for WT1 and the ABL gene transcripts	RQ-58-ST	10 runs	

Product	Description	Code	Pkg	Application
REALQUALITY RS-AML1-ETO	Identification of the t(8;21) (q22;q22) translocation	RQ-S59-48	48 tests	Manual
		RQ-S59-96	96 tests	
	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-S61-48	48 tests	Manual
		RQ-S61-96	96 tests	
	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-179-4M	50 tests	Manual
		RQ-179-6M	100 tests	
	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-181-4M	50 tests	Manual
		RQ-181-6M	100 tests	
	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-183-4M	50 tests	Manual
		RQ-183-6M	100 tests	
	Quantification standards for PML-RARA bcr3 and ABL transcripts	RQ-184-SM	6 runs	
REALQUALITY 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	Code	Pkg	Application
Rev-T Kit RQ variant	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) 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 compensation 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 compensation object	Manual



REVERSE LINE BLOT

Genetics

Coagulation



Clotting disorders are dysfunctions in the body's ability to control the formation of blood clots. They occur when the body is unable to produce enough of the proteins, called clotting factors, needed to start clotting and stop bleeding. In cases where there is a genetic abnormality of these factors, hereditary thrombophilia can arise. Molecular testing represents the gold standard for screening for genetic defects that predispose to hereditary thrombophilia.

Product	Description	Code	Pkg	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, Autoblots 3000H, ProfiBlot™ T48

Genetic disorders



Some genetic disorders can predispose to the onset of celiac disease, microdeletions of the Y chromosome can instead lead to infertility. Molecular analysis of these genetic alterations makes it possible to accurately diagnose the predisposition to these pathologies.

Product	Description	Code	Pkg	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, Autoblots 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, Autoblots 3000H, ProfiBlot™ T48



REVERSE LINE BLOT

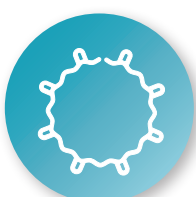
Virology



Hepatitis C virus (HCV) has a genome characterized by a high degree of variability. Seven major HCV genotypes have been identified (Smith et al, 2013; Murphy DG et al. 2015). Each genotype in turn includes several subtypes identified by lowercase letters of the alphabet (Simmonds et al, 2005). In turn, each subtype includes numerous variants. The HCV genome consists of single-stranded RNA. The coding regions consist of the CORE domains. The coding region is flanked by highly conserved untranslated regions (UTRs). The 5'UTR region can provide useful information for the identification of genotypes 1-5, 6a-b and 7 (Pickett et al., 2011; Chevaliez et al., 2009). Simultaneous investigation of the 5'UTR and CORE regions allows for a more accurate assignment of the viral genotype and subtypes (Chevaliez et al., 2009).

Product	Description	Code	Pkg	Application
AMPLIQUALITY HCV TYPE PLUS v2.0	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. The system allows to identify the following HCV genotypes and subtypes: 1, 1a, 1b, 2, 2a/2c, 2c, 2b, 3, 3a, 3b/g/i, 3c, 3f/k, 3h, 4, 4a, 4a/b /c/d/f, 4d, 4e, 4h/k, 4m, 4n, 4q, 4r, 4v, 5a, 6, 6a/b, 6e-v, 7a/b.	03-05-20 M	20 tests	Manual
	Interpretive software included	03-05-20 A	20 tests	Dynablot Heat, Autoblots 3000H, ProfiBlot™ T48

HPV



Human Papillomavirus (HPV) infection is caused by a DNA virus of the Papillomaviridae family. Many HPV infections cause no symptoms and 90% resolve spontaneously. In some cases, an HPV infection persists and causes warts or precancerous lesions. These lesions, depending on the affected site, increase the risk of cancer of the cervix, vulva, vagina, penis, anus, mouth, tonsils, or throat. The strains most involved in cervical cancer are HPV16 and HPV18. HPV6 and HPV11 are considered low-risk cancer and cause genital warts and laryngeal papillomatosis.

Product	Description	Code	Pkg	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	03-35A-20 M	20 tests	Manual
		03-35A-20 A	20 tests	Dynablot Heat, Autoblots 3000H, ProfiBlot™ T48
HPV-TYPE EXPRESS Strip Reader	Software for interpretation and report generation for the AMPLIQUALITY HPV-TYPE EXPRESS kit	08-RLB-32	1 CD	



Instruments

Automated extraction and PCR setup

GENEQUALITY® X120

GENEQUALITY® X120
TRACK



GENEQUALITY® X120 is a completely automated CE IVD walk-away system to perform routine molecular diagnostics, optimizing efficiency and versatility.

DNA and RNA purification from different types of matrices in the same run, starting from the primary tube.

Up to 96 biological samples processed simultaneously from primary tubes.

Up to 24 different Real-Time PCR reactions per plate.

Extraction protocol is based on magnetic beads with preloaded cartridges.

Full traceability of the entire workflow.

Touch screen interface software.

Decontamination control with the integrated UV lamp.

Direct exportation of PCR configuration files.

Bidirectional interface to the laboratory management system.

GENEQUALITY® X120 TRACK version comes with the biobanking function and integrated 2D barcode reader for sample traceability in specific plates designed for biobanking storage.

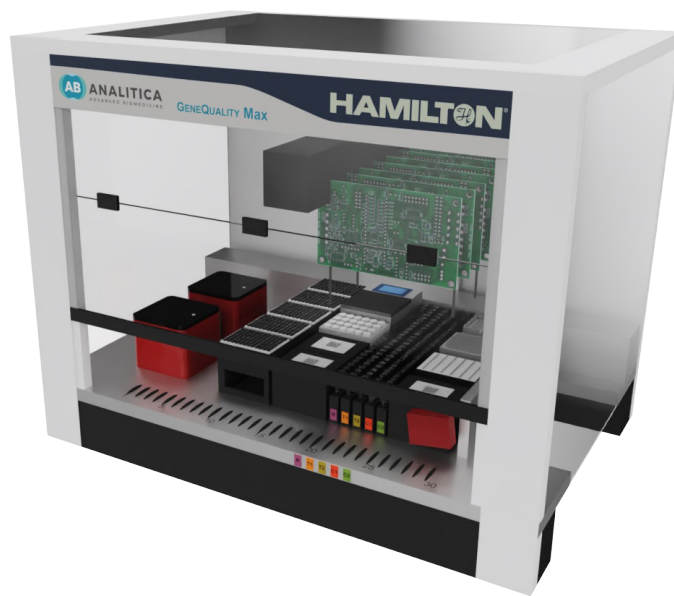
Product	Description	Code	Pkg
GENEQUALITY® X120	Platform for 96 simultaneous extractions	08-20-96	1 instrument
GENEQUALITY® X120 TRACK	Platform for 64 simultaneous extractions with biobanking labware management	08-21-48	1 instrument

GENEQUALITY[®] Max

SAMPLE TO RESULT

"SAMPLE-TO-RESULT" System

Sample-To-Results platform, versatile and efficient in routine molecular diagnostics.



Purification of DNA and RNA from different matrices in the same analytical run, starting from the primary tube.

Simultaneous management of up to 48 biological samples, from loading to PCR reaction setup up to Real-Time PCR amplification (up to 24 assays simultaneously).

Simultaneous management of two distinct thermal amplification profiles.

Extraction system based on the use of magnetic beads with preloaded cartridges.

Complete traceability of the entire workflow.

Software with touch screen interface.

Decontamination control by integrated UV lamp.

Bidirectional interfacing to the laboratory management system.

Two integrated Real-Time PCR thermal cyclers with capacity of 48 samples each.

Product	Description	Code	Pkg
GENEQUALITY [®] Max	"Sample-to-result" platform for 48 simultaneous extractions including 2 on-board thermal cyclers for Real-Time PCR analysis	08-22-48	1 instrument

GQ X120 / GQ X120 TRACK / GQ Max reagents

Product	Description	Code	Pkg
GENEQUALITY® X120 Pathogen kit	Kit for the purification of viral DNA/ RNA, bacterial DNA and genomic DNA with magnetic particle technology, from different types of biological samples.	05-X12-6A	100 tests
IC RNA (4,2 ml)	RNA internal control	05-76-04	100 tests
IC DNA (4,2 ml)	DNA internal control	05-78-04	100 tests
GENEQUALITY® X120 LB-P	Sample pretreatment solution (in combination with GENEQUALITY® X120 Pathogen kit).	05-X13-25	1.250 tests

GQ X120 / GQ X120 TRACK / GQ Max accessories

Product	Description	Code	Pkg
Work Plate	Work Plate, 2 mL, sterile for GENEQUALITY® X120	20-43001-0200	10 pcs
Elution Plate	Elution Plate, 1 mL, sterile for GENEQUALITY® X120	20-43001-1016	10 pcs
Filter tips, 300 uL	Filter tips, 300 uL for GENEQUALITY® X120	20-49008-0104	5760 pcs
Filter tips, 1000 uL	Filter tips, 1000 uL for GENEQUALITY® X120	20-49009-0104	3840 pcs
Filter tips, 50 uL	Filter tips, 50 uL for GENEQUALITY® X120	20-49010-0104	5760 pcs
“96-well PCR plate Aria Dx”	96-well PCR plate, with low border profile (for Real-Time Aria Dx Thermal Cycler)	AB-E1403-5200	10 pcs
Strips of 8 flat optical caps Aria Dx	Strips of 8 flat optical caps (for Real-Time Aria Dx Thermal Cycler)	AB-I1400-0900	125 pcs
96-well PCR plate, with low border profile	96-well PCR plate, with low border profile	AB-401491	25 pcs
Mx3000P Optical Strip Caps	Mx3000P Optical Strip Caps	AB-401425	120 pcs
96 well 0.1 mL white plates with barcode Bio-Rad CFX 96™	96 well 0.1 mL white plates (for Real-Time Bio-Rad CFX 96™ thermal cycler)	BP-B17489	25 pcs
Optical cap strip for Bio-Rad CFX 96™	Optical cap strips for PCR Real-Time PCR (for Bio-Rad CFX 96 Real-Time Thermal Cycler)	BP-B57801B	300 pcs
Waste bags	Waste bags for GENEQUALITY® X120	20-199202	25 pcs
2 mL microtube	2 mL microtube, Flat, no-grad, Sterile	20-72664	500 pcs
Screw cap for 2mL microtube	Screw cap for 2mL microtube	20-65716	500 pcs
Aluminium cover film	Aluminium cover film, -80°C to +120°C	20-94001-0216	100 pcs
Hamilton MIC Tubes & V-Caps	Hamilton MIC Tubes & V-Caps (GENEQUALITY® Max)	20-10110770	960 pcs

GENEQUALITY ²⁰⁵⁰ TwentyFifty

**Fully Integrated System
Sample To Result**



COMING SOON

GENEQUALITY® TWENTYFIFTY (GQ 2050) is a fully integrated Real-Time PCR system able to performing all steps from primary sample collection, extraction, Real-Time PCR amplification, to result analysis without the need for operator intervention.

Up to 32 samples of different matrices and sizes can be processed.

Sample tubes ranging in diameter from 11 to 16 mm and height from 65 to 105 mm.

Extremely rapid extraction using magnetic beads with a rod magnetic system.

Results in less than two hours with a hands-on-time of 5 minutes.

Up to 48 positions for both qualitative and quantitative assays in amplification.

Refrigerated rack for PCR master mix.

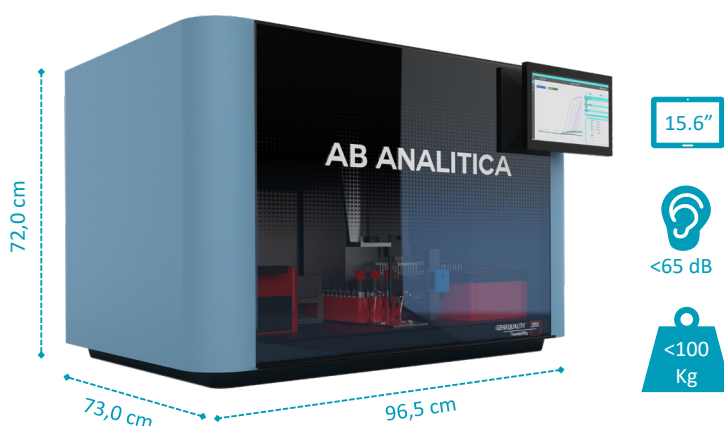
Complete process traceability (samples, extraction and amplification reagents) ensured through automatic barcode reading.

Integrated Real-Time PCR amplification system, RBC MIC, with 4 fluorescence channels.

The system features various control and safety mechanisms, including:

- Error management system for sample withdrawal errors caused by foam, clots, and/or aspirated air for level errors.
- Temperature control.
- Control of heating and cooling block temperatures.
- Control of rod positioning, extraction cartridge, and carts.

Additionally the GQ 2050 is equipped with a Hepa filter for environmental safety, UV lamp and tips with filters to manage and limit potential contaminations.



Real-Time PCR systems

AriaDx

Real-Time PCR thermal cycler from 1 to 6 channels configurable on site with modular optical cartridges (Agilent Technologies).

Led optical technology.

Ready-to-go instrument, no calibration required.

Programming with touch screen interface.

Possible normalization with reference dye (ROX™).

Possibility to upgrade optical channels.

This instrument can be sold exclusively in association with the AB ANALITICA kits.



Agilent Technologies

Product	Description	Code	Pkg
AriaDx	Real-Time PCR thermal cycler with 4 channels (SYBR/FAM, ROX, HEX, CY5)	08-ARDX-01	1 instrument
AriaDx	Real-Time PCR thermal cycler with 5 channels (SYBR/FAM, ROX, HEX, CY5, CY3)	08-ARDX-02	1 instrument
AriaDx	Real-Time PCR thermal cycler with 6 channels (SYBR/FAM, ROX, HEX, CY5, CY3, ATTO425)	08-ARDX-03	1 instrument

Mic qPCR Cycler

Real-Time PCR rotor cycler with 4 optical channels (Bio Molecular Systems).

48 position rotor.

Thermal system based on magnetic induction technology.

Reaction volumes up to 30 uL.

No need for color compensation and calibration.

User specific settings and flexible system configurations.

This instrument can be sold exclusively in association with the AB ANALITICA kits and in some geographic areas only.



bms
bio molecular systems

Product	Description	Code	Pkg
Mic qPCR Cycler	Rotor Real-Time PCR thermal cycler with 4 optical channels	08-MIC	1 pcs



FERTILITY

Seminal fluid analysis

Ready-to-use solutions and kits for analysis or staining of sperm cells on microscope or spectrophotometer.

Product	Description	Code	Pkg
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 TEST

BREATHQUALITY UBT

¹³C-UREA Breath test for diagnosis of gastroduodenal infection by *Helicobacter pylori*.

Oral solution, single dose (75 mg ¹³C urea/10 mL), for breath testing for in vivo diagnosis of gastroduodenal *Helicobacter pylori* infection in adults and children

Liquid.

Ready to use.

Complete.

Authorized for pediatric use.

Free of preservatives, colorants and flavors.

Tested for allergic reactions.



Product	Description	Code	Pkg
BREATHQUALITY - UBT	Breath test for in vivo diagnosis of gastroduodenal infection by <i>Helicobacter pylori</i> . Oral solution, single dose (75 mg ¹³ C urea/10 mL)	11-75-00	1 test

Accessories for breath testing

TEST TUBES FOR BREATH TEST:

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

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

The vials have a flat base, a silicon coating baked onto the inside wall of the vial, giving a clearer visible breath sample without interfering with the analysis and a screw-cap with pierceable rubber septum.

Suitable for analysis with Mass Spectrometer and Infrared Analyzer.

STRAWS:

2 straws in Polypropylene (PP).



Product	Description	Code
AB 13C-AMINOPIRINA	¹³C Aminopyrine: Substrate for study of liver function	13-01A-75
AB 13C-METACETINA	¹³C Methacetin: Substrate for study of liver function	13-02A-75
AB 13C-TRIGLICERIDI MISTI	Mixed ¹³C Triglycerides: Substrate for study of pancreatic lipase activity in the duodenum	13-07A-250
AB 13C-ACIDO OTTANOICO	¹³C Octanoic Acid: Substrate for evaluation of gastric emptying	13-09A-100



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