Making improvements in life possible

Investor resource book

Second quarter 2022

QIAGEN

Sample to Insight

Forward looking and intended use statements

Safe Harbor Statement: This presentation contains both historical and forward-looking statements. All statements other than statements of historical fact are, or may be deemed to be forward looking statements within the meaning of Section 27A of the U.S. Securities Act of 1933, as amended, and Section 21E of the U.S. Securities Exchange Act of 1934, as amended. These statements are based on current expectations of future events. If underlying assumptions prove inaccurate or unknown risks or uncertainties materialize, actual results could vary materially from our own expectations and projections. Some of the factors that could cause actual results to differ include, but are not limited, to the following: general industry conditions and competition; risks associated with managing growth and international operations (including the effects of currency fluctuations, regulatory processes and dependence on logistics), variability of operating results and allocations between customer classes, and the commercial development of markets for our products to customers in academia, pharma, applied testing and molecular diagnostics; changing relationships with customers, suppliers and strategic partners; competition; rapid or unexpected changes in technologies; fluctuations in demand for QIAGEN's products (including factors such as general economic conditions, the level and timing of customers' funding, budgets and other factors); our ability to obtain regulatory approval of our products; technological advances of our competitors and related legal disputes; difficulties in successfully adapting QIAGEN's products to integrated solutions and producing such products; the ability of QIAGEN to identify and develop new products and to differentiate and protect our products from competitor products; market acceptance of QIAGEN's new products and the integration of acquired technologies and businesses. For further information, please refer to “Risk Factors” section of reports that QIAGEN has filed with, or furnished to, the U.S. Securities and Exchange Commission (SEC). We undertake no obligation, and do not intend, to update these forward-looking statements as a result of new information or future events or developments unless and to the extent required by law.

Regulation G: QIAGEN reports adjusted results, as well as results on a constant exchange rate (CER) basis, and other non-U.S. GAAP figures (generally accepted accounting principles), to provide additional insight on performance. In this presentation, adjusted results include adjusted net sales, adjusted gross income, adjusted net income, adjusted gross profit, adjusted operating expenses, adjusted operating income, adjusted operating margin, adjusted net income before taxes, adjusted income tax, adjusted tax rate, adjusted EBITDA, adjusted EPS, adjusted diluted EPS and free cash flow. Adjusted results are non-GAAP financial measures QIAGEN believes should be considered in addition to reported results prepared in accordance with GAAP but should not be considered as a substitute. QIAGEN believes certain items should be excluded from adjusted results when they are outside of its ongoing core operations, vary significantly from period to period, or affect the comparability of results with its competitors and its own prior periods. Please see the Appendix provided in this presentation “Reconciliation of Non-GAAP to GAAP Measures” for reconciliations of historical non-GAAP measures to comparable GAAP measures and the definitions of terms used in the presentation. QIAGEN does not reconcile forward-looking non-GAAP financial measures to the corresponding GAAP measures due to the high variability and difficulty in making accurate forecasts and projections that are impacted by future decisions and actions. Accordingly, reconciliations of these forward-looking non-GAAP financial measures to the corresponding GAAP measures are not available without unreasonable effort. However, the actual amounts of these excluded items will have a significant impact on QIAGEN’s GAAP results.

Table of Contents

We help advance science and improve outcomes

Our Mission

Enabling access to valuable insights from molecular research to clinical healthcare

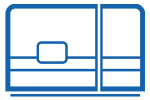
Our Vision

Making improvements in life possible

Helping customers to make advances in science and patient care

1987

QIAGEN pioneers the first plasmid prep kit, cutting extraction time from 3 days to 3 hours

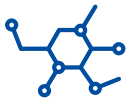


1993

First QIAGEN instrument for automated sample prep offers a new level of standardization

1997

QIAGEN expands portfolio of sample prep products to RNA and protein



2007

QIAGEN enters the molecular diagnostic market with a test to test to screen for cervical cancer

2011

First precision diagnostic launched to help guide targeted cancer treatments

Cellestis acquisition adds TB-testing to QIAGEN's portfolio

2017

QIAGEN launches the first liquid biopsy-based companion diagnostic for less invasive cancer testing

Stat-Dx acquisition adds fully-automated syndromic testing with QIAstat-Dx to portfolio

2019

Acquisition of digital PCR assets from Formulatrix Inc.

2020

QIAGEN responds to COVID-19 with tests to address all stages of the pandemic

QIAGEN completes NeuMoDx Molecular, Inc. acquisition, rounding out portfolio of PCR-based diagnostic automation systems

2022 and beyond

QIAGEN at a glance

Our products support scientists and clinicians to advance scientific discovery and improve patient outcomes

A global company with scale

$2.2 bn
(2021 sales)

QGEN
LISTED
NYSE
DAX
TecDAX

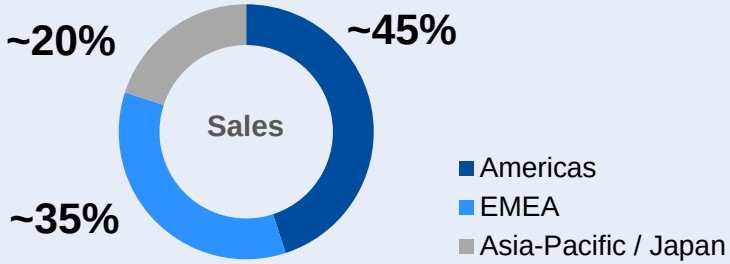
Balanced customer markets

~50%
Molecular Diagnostics

~50%
Life Sciences

>500,000
customers worldwide

Diverse global presence



Over 6,000 employees known as QIAGENers

Highly recurring revenues

~88%
Consumables and related revenues

~12%
Instruments

There is an unprecedented need for molecular research and testing to tackle the health challenges of our time

Our knowledge about the building blocks of life – DNA, RNA and proteins - is growing

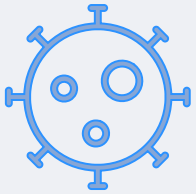
The challenge is to make the most of this information

Tuberculosis is still one of the world's most significant infectious killers

In 2020, it killed 1.5 million people

Cancer remains a leading cause of death worldwide despite progress

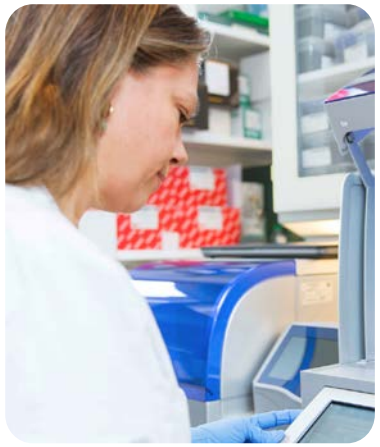
It accounted for nearly 10 million deaths in 2020

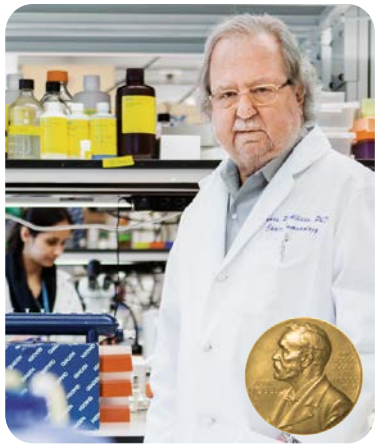


Infectious diseases have been – and will remain – a truly global health risk

Six major pandemics over the past 20 years

Our products are found in laboratories worldwide - from young scientists to Nobel laureates





We help over **500,000 customers** unlock molecular insights that address healthcare challenges.

That’s how we help make improvements in life possible.

QIAGEN provides solutions to uncover molecular insights – faster, better and more efficiently – from Sample to Insight

Biological sample

Sample to Insight solutions

- Sample Technologies
- Assay Technologies
- Automation Systems
- Bioinformatics

Valuable molecular insights

- Advancing knowledge about the building blocks of life – DNA, RNA and proteins
- Faster and better drug R&D
- Better disease diagnosis
- Ensuring public safety
- Better outcomes with precision medicine

We are known for the highest quality products

We are COVID relevant – but not COVID dependent

>750 million
COVID-19 tests in 2021
relied on QIAGEN products

Testing

- RNA sample preparation
- PCR testing solutions
- OEM components for other suppliers

Surveillance

- Immune level testing
- NGS variant monitoring
- Wastewater testing

And we are ready to serve public health needs across the globe

Determined to leave no country behind with a portfolio of dedicated tests and strategic partnerships

- TB testing for low-resource high-burden regions with QIAreach QuantiFERON-TB
- Testing for high-risk human papillomavirus (HPV) using the *care*HPV test
- Sample technologies supporting detection of many infectious diseases

Global presence with a focus on the most attractive developed and emerging markets

Our global and regional headquarters

Venlo
Netherlands
Global HQ

Germantown
Maryland
Americas HQ

Hilden
Germany
EMEA HQ

Shanghai
China
Asia-Pacific HQ

Distribution partners in over

60

countries

35

subsidiaries

in over

25

countries

Life Sciences: Enabling the advancement of science

~$5 billion
addressable market

~5-6% CER
market growth (excl.COVID)

QIAGEN value

- 2021 sales of ~$1.1 billion
- Recognized innovator supporting breakthrough science
- Ability to translate innovations into commercial products

Selected QIAGEN products

Sample technologies	Assay technologies	Instruments	Bioinformatics
• ~300 different kit types • Liquid biopsy, tissue, blood, cells, plants, microbiome, other	• Real-time PCR • Digital PCR • Next-generation sequencing	• QIAsymphony • QIAcube Connect • QIAcuity digital PCR • RotorGene Q	• Ingenuity Pathway Analysis (IPA) • Genomics Workbench / Server • Microbial Pro Suite / RNA-seq • Microbial Epigenetics

Molecular Diagnostics: Improving outcomes for patients

~$6 billion
addressable market

~6-7% CER
market growth (excl.COVID)

QIAGEN value

- 2021 sales of ~$1.1 billion
- Focused on high-growth, high-demand opportunities
- Strong automation portfolio with multi-year assay menu expansion underway

Selected QIAGEN products

Sample technologies	Assay technologies	Instruments	Bioinformatics
• Tissue • Blood • Liquid biopsy • Swabs, other	Indication areas • Oncology • Immune modulation • Infectious diseases Technologies: QFT, PCR, NGS	• QIAstat-Dx • NeuMoDx • QIAsymphony RGQ	QIAGEN Clinical Insight (QCI) • Hereditary diseases • Somatic and germline cancers • All diseases

Bioinformatics: Offering unique genomic data analysis and interpretation capabilities

~$620 million
addressable market

~15% CER
market growth

QIAGEN value

- 2021 sales: ~$89 million
- Industry leader in commercial bioinformatics solutions
- Offering solutions in combination with the QIAGEN “wet lab” products or as stand-alone solutions

Selected QIAGEN products

Discovery informatics	Clinical testing informatics	Genomic-based content
Curated research findings and largest collection of integrated scientific and clinical databases and interpretation solutions	Knowledge bases of clinically relevant variants for hereditary and somatic assays with QCI (QIAGEN Clinical Insight) reporting	Unique digital assets compiled over 20 years, including >1,000,000 patient tests analysed with QIAGEN cloud-based clinical solutions to date

Our Strategy: Focus on areas to build and maintain leading positions

Expanding on solid leadership

Early commercialization phases with strong growth potential

5 pillars of growth

Nr. 1 in **Sample technologies**

QuantiFERON for immune response monitoring (incl. TB)

QIAstat-Dx for near-patient syndromic PCR testing

NeuMoDx for mid- to high-throughput clinical PCR testing

Leading the way in digital PCR with **QIAcuity**

Our portfolio areas

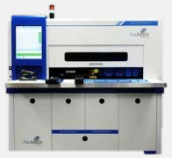
- **Sample technologies**
- **Immune response**
- **Infectious disease testing**
- **PCR technologies**
- **Genomics / NGS**
- **Human ID / Forensics**
- **Oncology & Precision Medicine**
- **QIAGEN Digital Insights**
- **OEM reagents**

Five pillars of growth: Advancing key drivers to capture the largest opportunities

Targeting >$6 billion of our >$11 billion total addressable market

	Sample technologies	QuantiFERON	QIAstat-Dx	NeuMoDx	QIAcuity
					
How we win	• Leading reputation, broadest portfolio with >300 kits and instruments • >200,000 publications	• Fully automated workflow • Version for low-resource countries	• Sample prep in <1 min • More than “yes/no” data	• Faster time to result • Ease of use • LDT capability	• Rapid time to result • Scalable, integrated platforms • Wide application options
2022 goals	• Expansion of **EZ2 Connect** worldwide • Expansion of **QIAprep&amp** innovative liquid technology • New application kits e.g., **QIAwave** – Ecofriendly kits	• **QFT-Lyme** submission (FDA) • Expansion of **QIAreach-QFT TB** • **QFT- 4G** China	• **QIAstat-Dx Rise** (High throughput) • **Gastrointestinal** launch (FDA) • **Meningitis** submission (FDA) • **BCID** (CE-IVD)	• Conversion in EU to **non-COVID** menu • **CT/NG** submission (FDA) • **GBS** submission (FDA)	• **Non-Invasive Prenatal testing** • **Multi-omics**: combined DNA and protein analysis

Five pillars of growth: Expected trends in 2022 and beyond

	2021 sales goals (CER)		Cumulative placements (As of Jan 2022)	2022 sales goals (CER)	Mid-term goals
 **Sample technologies**	>$750 m	⊕	QIAsymphony >3,000 QIAcube >13,000 EZ1 and EZ2 >4,800	>$750 m	Sustainable low- to mid-single-digit CER growth
 **QuantiFERON**	>$255 m	⊕		>$310 m	Sustainable low-double-digit CER growth
 **QIAstat-Dx**	>$60 m	⊕	~2,900	>$85 m	Sustainable double-digit CER growth
 **NeuMoDx**	>$100 m	⊕	~220	>$80 m	Sustainable double-digit CER growth
 **QIAcuity digital PCR**	>$45 m	±(1)	~730	>$55 m	Sustainable double-digit CER growth

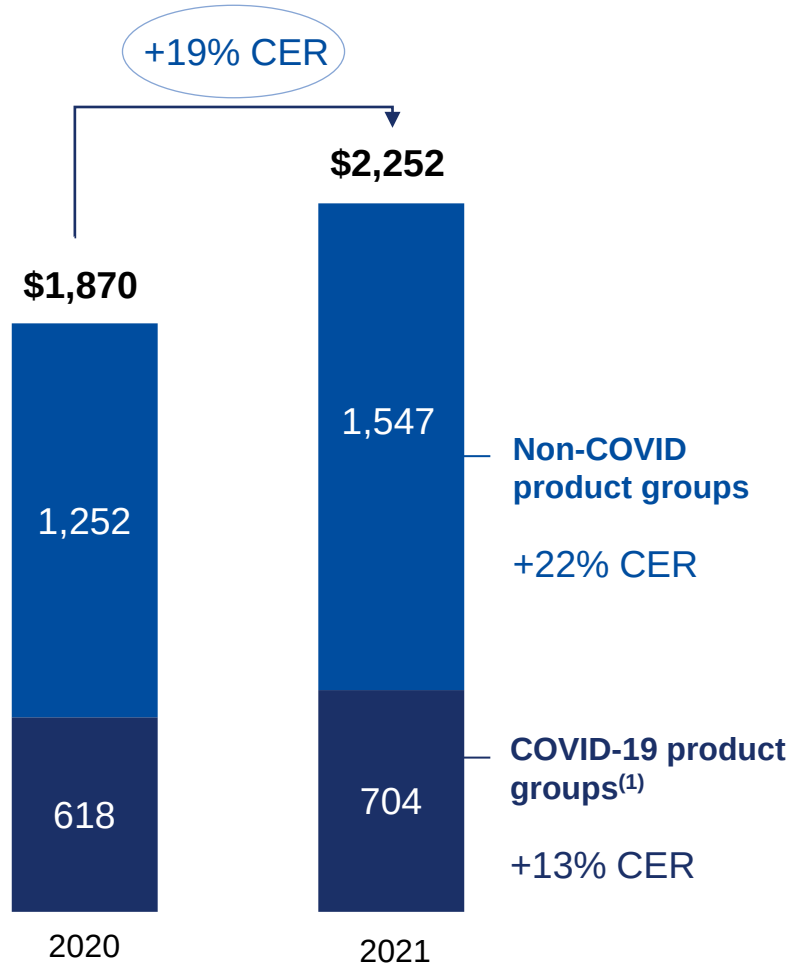
CER – Constant Exchange Rates.

1) Achieved 2021 placement goal, but sales below 2021 goal.

FY 2021: Solid growth trends beyond COVID in all product groups

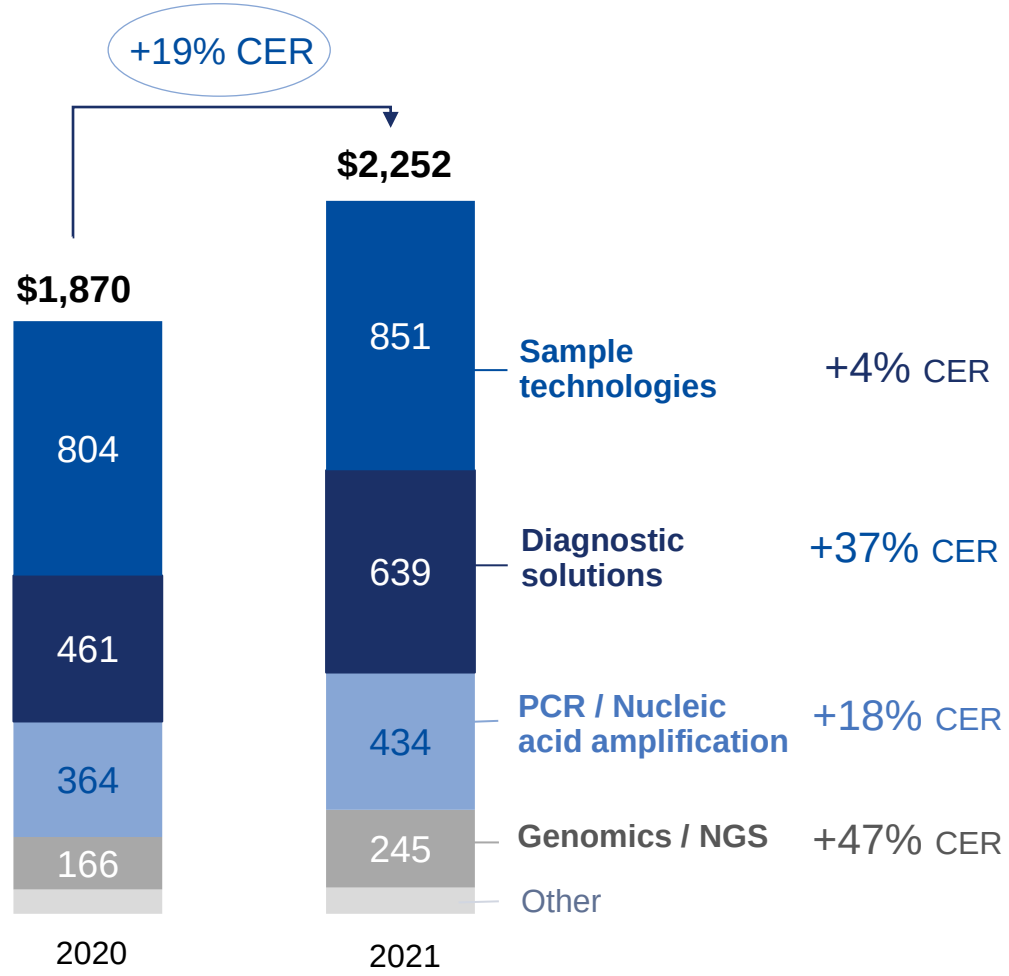
Non-COVID / COVID split

(In $ millions at actual rates)



By product group

(In $ millions at actual rates)



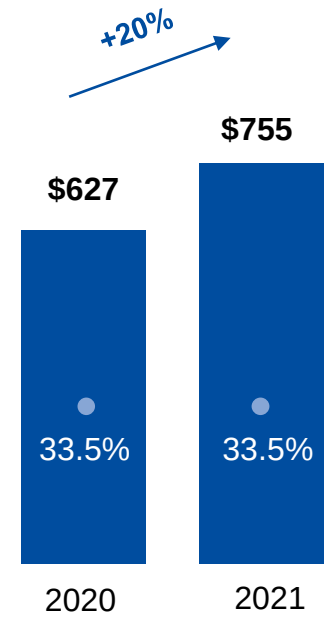
1) 2019 sales of ~$150 m in COVID-19 product groups for products with versatile RNA processing and analytics applications.

Growth rates vs. FY 2020 at CER. | Refer to appendix for growth at actual rates. | Tables may contain rounding differences.

FY 2021: Investing in the business while building value

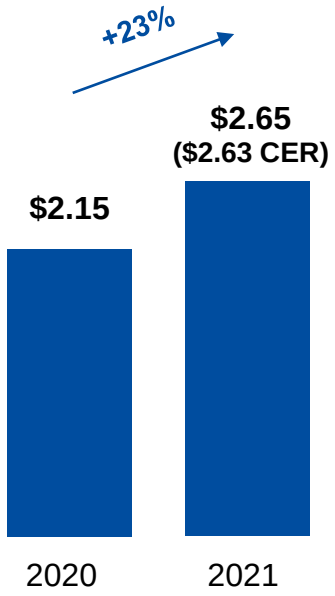
Adj. operating income

(In $ millions)



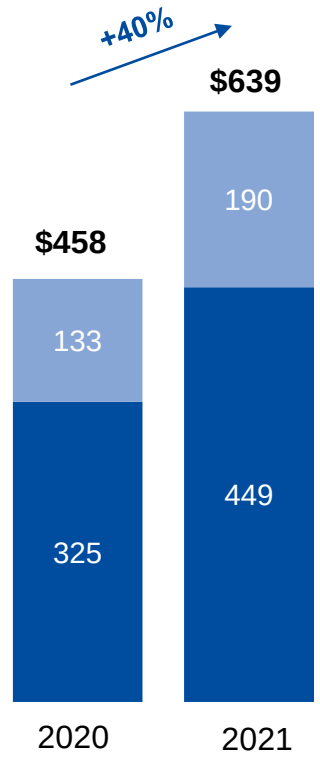
Adjusted EPS

(In $ per share)



Operating cash flow

(In $ millions)



Targeted investments into key drivers

~65% of R&D spending focused on five pillars of growth

Disciplined operating expenses and price increase management

Annual price adjustment carried out to reflect product value and increasing costs

Dynamic cash flow performance

Strong free cash flow throughout FY 2021 balanced with healthy leverage profile

Refer to appendix for reconciliation of reported to adjusted figures.

PP&E – property, plant & equipment

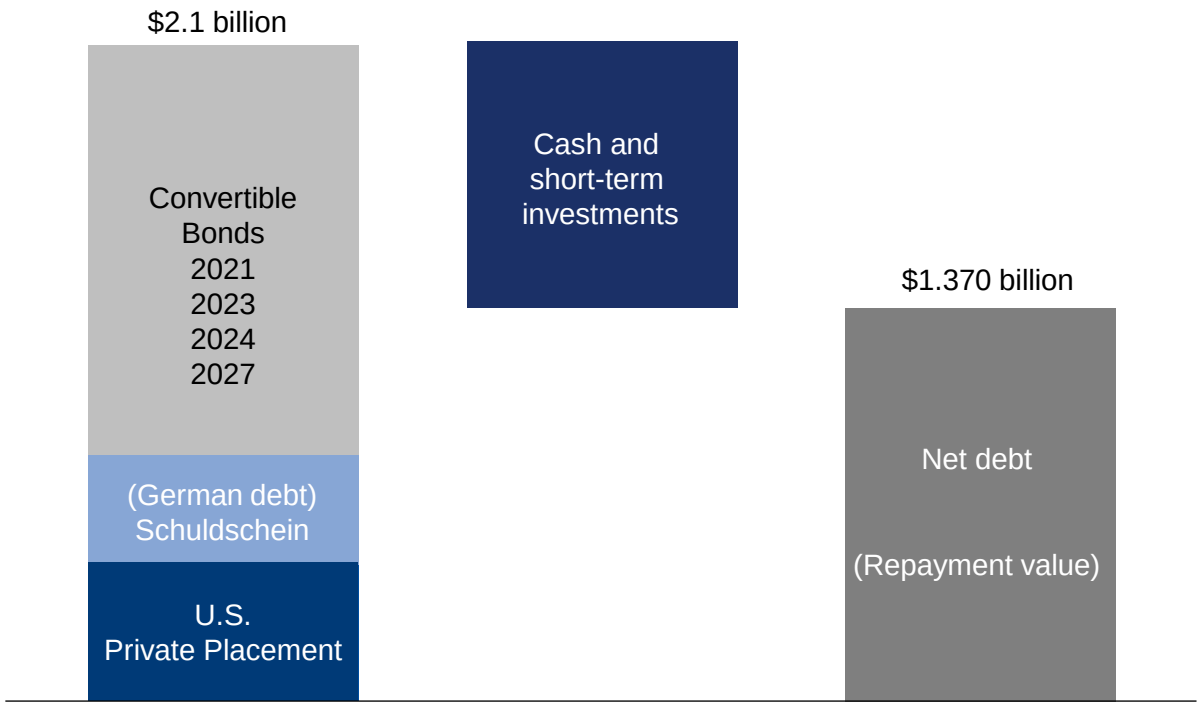
Outlook: Q2 and FY 2022

	Q2 2022 outlook	FY 2022 outlook
Net sales Anticipated currency impact	**≥ $510 million CER** Adverse FX impact of ~ -4-5 p.p *(Prior year: $567.2 m)*	**≥ $2.12 billion CER** Adverse FX impact of ~ -4 p.p. *(Prior year: $2,251.7 m)*
Non-COVID product groups		Double-digit CER growth
Adjusted EPS Anticipated currency impact	**≥ $0.46 CER** Adverse FX impact of ~ -$0.02-0.03 *(Prior year: $0.67)*	**≥ $2.14 CER** Adverse FX impact of ~ -$0.08-0.09 *(Prior year: $2.65)*
Adjusted tax rate	**~17-18%**	**~17-18%**
Shares outstanding(1)	**~230 million**	**~230 million**

Outlook as of April 26, 2022, see appendix for additional information | CER - Constant Exchange Rates | 1) Based on $50.00 share price

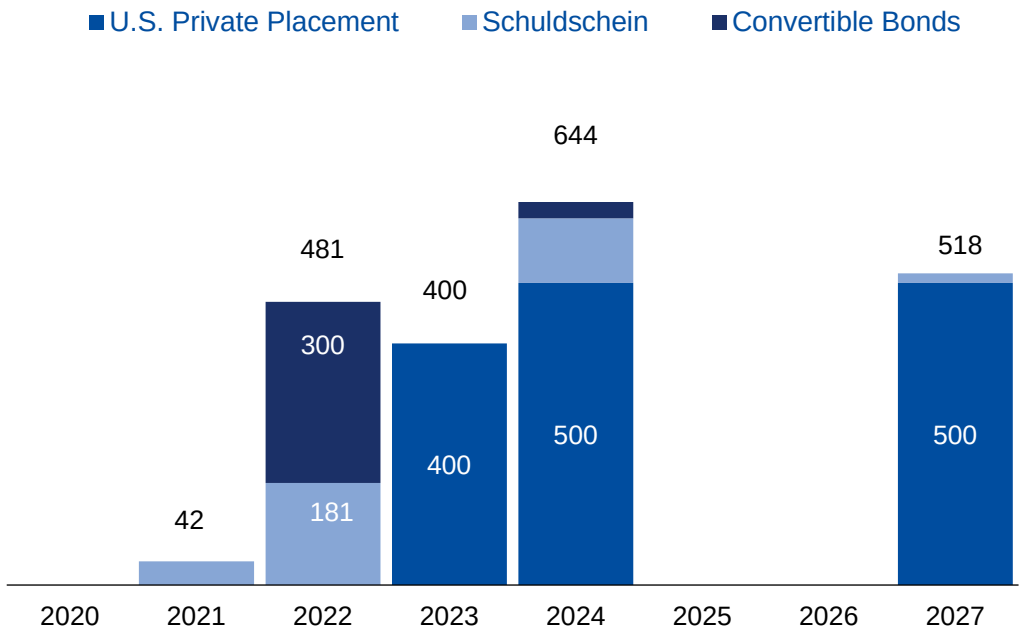
Maintaining financial flexibility with appropriate leverage and cost-efficient debt structures

Structure as of December 31, 2020



Maturities of debt instruments

(In $ millions)



Convertible notes (~$1.400 bn):
$400 m 0.500% due 2023 ($50.97 effective conversion price)
$500 m 1.000% due 2024 ($52.16 effective conversion price)
$500 m 0.000% due 2027 ($80.72 effective conversion price)

U.S. Private Placement (~$327 m):
$300 m 3.75% notes due 2022
$27 m 3.90% notes due 2024

Schuldscheindarlehen (German debt) (~$358 m):
€34.5 m paid in Q1-2021 (fix 0.40%, floating 6m EURIBOR+0.40%)
€111 m due 2022 (fix 0.68%, floating 6m EURIBOR+0.50%)
$45.0 m due 2022 (floating LIBOR + 1.2%)
€95.0 m due 2024 (fix 1.09%, floating 6m EURIBOR+0.70%)
€14.5 m due 2027 (fix 1.61%)

Supporting growth while increasing returns to shareholders

Disciplined capital allocation strategy

Invest in the business

Fuel sustainable and profitable growth, especially in the five pillars

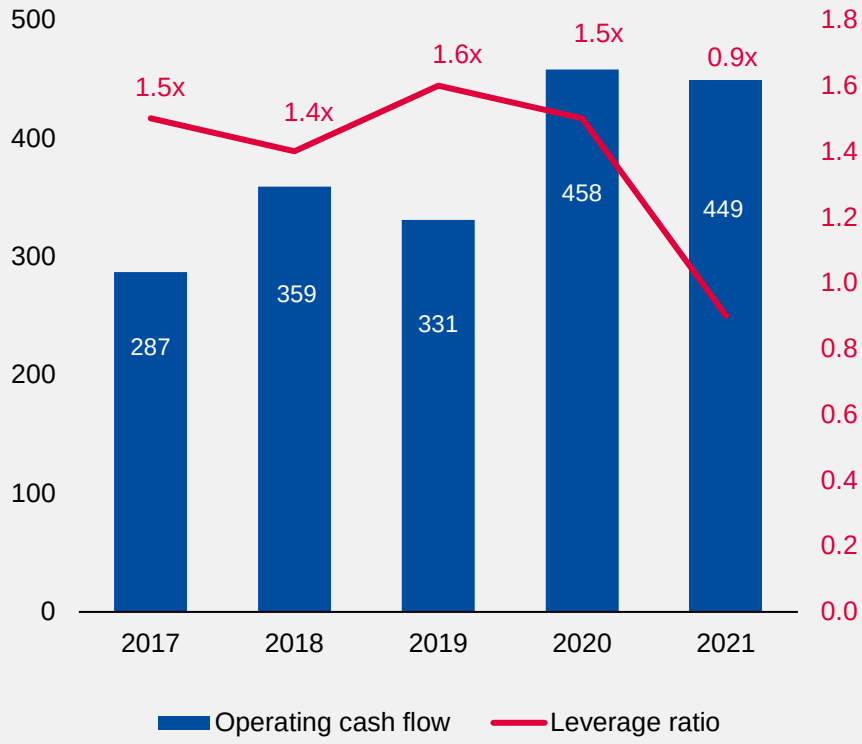
Enhance value with M&A

Ongoing disciplined approach with bolt-on acquisitions in five pillars

Share repurchase programs

$100m program completed in 2021 in line with commitment to increase returns

Healthy cash flow trends



(Net debt / adjusted EBITDA)

Why invest in QIAGEN: Strong de-risked investment case with compelling differentiation

Highly recurring revenues

Sales driven by steady customer shipments of high margin consumables

Consumables and related revenues comprise

88%

of 2021 net sales

2021 adjusted gross profit margin **68%**

Broad geographic reach

Robust structures securing access to markets across the globe

14% of 2021 sales from top 7 emerging markets

35 subsidiaries in >25 countries

Distribution partners **>60** countries

Second brands optimize regional opportunities

TIANGEN

Quantabio

Diversified customer base

Well-balanced sales split between Life Sciences and Molecular Diagnostics

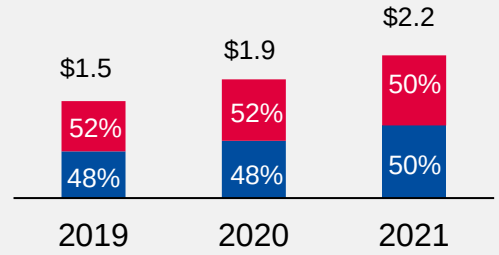
Addressable market growth trends

Molecular Diagnostics ~9-11% CAGR

Life Sciences ~5-6% CAGR

Net sales

(In $ billions at actual rates)



QIAGEN product portfolios

Sample to Insight

Reporting sales in product groups

QIAGEN product groups

Five pillars of growth

		Sample technologies[1]	QIAcuity digital PCR[3]	QIAstat-Dx	NeuMoDx	QuantiFERON
Sample technologies[1]	Consumables and instruments used in sample collection, stabilization, storage, purification and quality control including QIAsymphony, QIAcube and EZ1					
Diagnostic solutions[2]	Molecular testing solutions including infectious diseases, immune response and oncology					
PCR / Nucleic acid amplification	Research and applied PCR solutions and components					
Genomics / NGS	Universal genomics solutions including NGS library preparation and QIAGEN Digital Insights					
Other	Various products including protein biology, royalties, intellectual property revenues and freight charges					

1) Includes sales for diagnostic sample preparation (DSP).
2) Includes revenues for companion diagnostic co-development agreements.
3) QIAcuity digital PCR sales will not be disclosed on a quarterly basis in 2021.

Sample technologies

Sample collection, stabilization and storage solutions

Manual sample preparation

Automated sample preparation

Quality control instruments

Customers

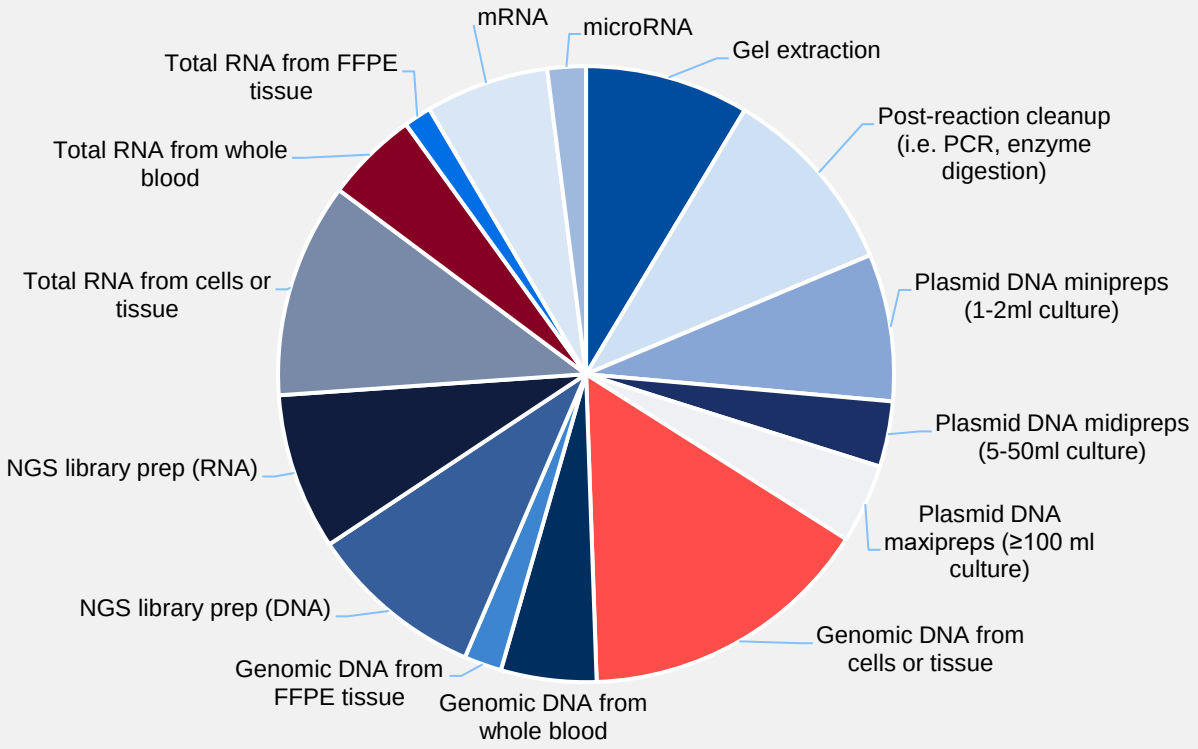
Life Sciences

Academic | Pharma | Applied testing

Molecular Diagnostics

The first step in virtually any molecular biology laboratory process

QIAGEN holds leading products in the vast majority of applications



Sample preparation market by application

*Sample preparation method data from Percepta reports: The Life Science Dashboard – Nucleic Acid Purification (North America and Europe) .

~70-75%

of QIAGEN sample technologies sales come from DNA applications

Sample technologies market

>1 million samples processed daily

>$1 billion annually

~3-4% CER annual growth

Our Sample technologies are the foundation of QIAGEN

A portfolio that has grown to address the complete spectrum of processing biological samples

Selected biological samples

- Tissue
- Cells
- Blood
- Serum
- Plasma
- Urine
- Stool
- Saliva
- Other body fluids
- Bone
- Plants
- Soil

Input demands

Low / high-volume

Low-quantity

Tubes / plates

Processing

Manual

Target analytes

Genomic DNA

Plasmid DNA

cfDNA

mRNA, rRNA, miRNA

Proteins

Circ. Tumor cells

Input demands

Low-quantity

High-quantity

Tubes / plates

Automated

Low-to

High-throughput

Applications

- Cloning
- DNA amplification
- Arrays
- Gene editing
- Epigenetic
- Cellular analytics
- qPCR / dPCR
- Sequencing / NGS
- Liquid biopsy
- Micobiome
- Gene silencing
- Proteomics

>200,000
publications referencing QIAGEN sample prep

Building on Sample Technologies solid leadership

Upgrading key automation platforms

QIAcube Connect

Launched 2019

QIAcube

Cumulative placements (at end 2021)

>10,000

EZ2 Connect

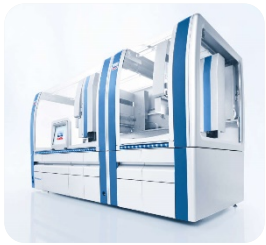
Launched 2021

EZ1

>4,800

QIAsymphony Boost

In development



QIAsymphony

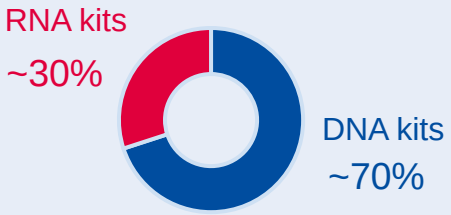
>3,000

Comprehensive consumables portfolio

Over 300 kits

- Any sample format
- Any analyte (DNA, RNA, Proteins)
- Low to high throughput

2021 sales split – Sample technologies consumables



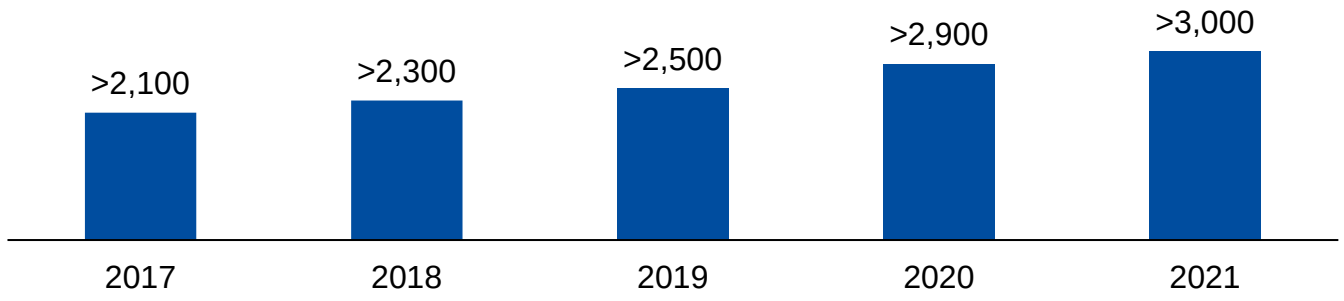
SPOTLIGHT: QIAsymphony – Flagship platform for sample processing

Off-the-shelf solutions and customizable protocols to fit wide range of laboratory needs

Front-end automation solution for molecular testing

Regionalization strategy

- US: Focus on sample technologies
- Rest-of-world: Sample technologies and modular IVD assays
- 22 CE-IVD and 5 FDA-cleared assays



>3000 cumulative placements and counting…

Diagnostic solutions

Immune Response

Infectious diseases

Women’s Health

Oncology and Precision Medicine

Customers

Molecular Diagnostics

Immune Response: Best-in-class IGRA test for latent tuburculosis

Diagnostic solutions

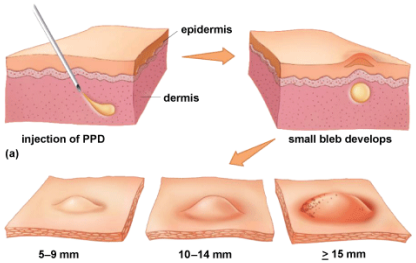
QIAGEN

What is QuantiFERON?

QuantiFERON-TB Gold Plus (QFT-Plus) is a simple blood test that aids in the detection of Mycobacterium tuberculosis, the bacteria which causes tuberculosis (TB).

QFT-Plus is optimized with innovative tuberculosis-specific antigens that elicit both CD8+ and CD4+ T cell responses – enabling a more accurate assessment of cell-mediated immune response to TB infection.

Tuberculin skin test (TST)



- Manual placement, reading, data entry
- Affected by BCG vaccine and NTM
- Two patient visits required
- Significant inter-reader variability
- Poor surveillance tool
- Often no quality control after training

QuantiFERON-TB (QFT)

- Can be fully automated
- Highly specific
- Results with one patient visit
- No inter-reader variability
- Electronic results
- Quality-assured laboratory test(1)

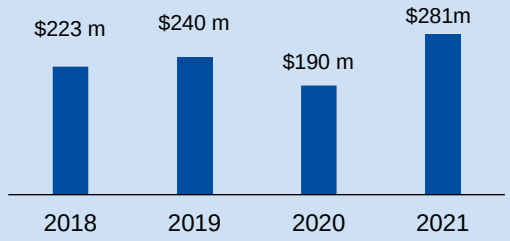
BCG – Bacillus Calmette-Guerin vaccine | NTM – Non-tuberculosis mycobacteria | (1) Not available in all markets

Latent TB testing market

- **>$1 billion** annually
- QIAGEN **~70-80%** share IGRA tests

~25%
of TB testing market has been converted from skin test

QuantiFERON-TB sales trends



A growing market demand for modern latent TB testing

What is the difference between latent TB and active TB?

Latent TB infection (LTBI) can persist for weeks, months or years before developing into active disease. Although LTBI is not contagious, there is a ~10% average lifetime risk of it becoming active. According to the World Health Organization, up to 1/4 of the world's population is infected with latent TB.

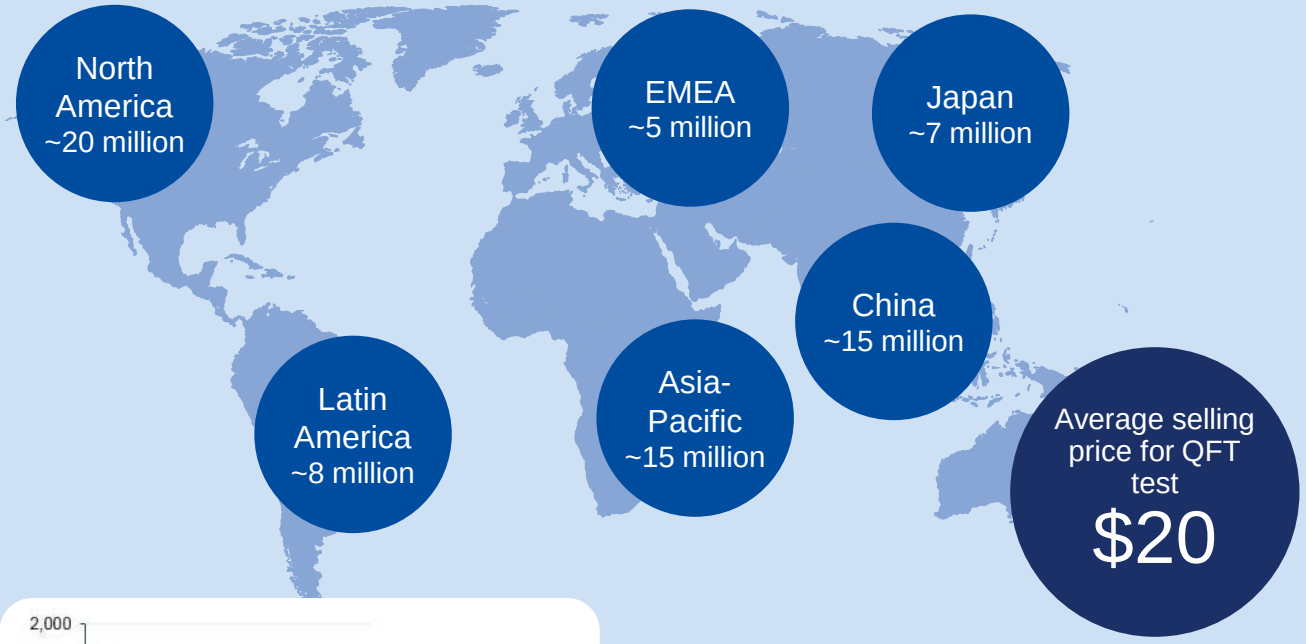
Why is latent TB infection important?

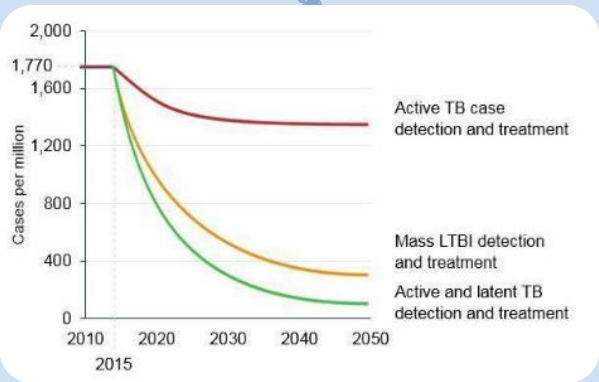
Diagnosing LTBI, and preventive treatment, can significantly reduce the risk of disease, and prevent outbreaks from recent transmission. On a global level, achieving a significant reduction in the burden of TB cases cannot be achieved without also including the detection and treatment of LTBI (Figure (2).

For more info on latent TB testing visit: **www.quantiferon.com**

LTBI – Latent TB infection

~70 million latent TB tests per year across the world





The benefit of combating both active and latent TB infection.

QuantiFERON offers fully automated workflows for low and high throughput testing

Enabling hands-free processing of QFT-TB Gold Plus

Strong best-in-class market position

High performing assay:
QFT TB Gold Plus
(4th generation test)

Excellent automation:
DiaSorin,
Hamilton, Tecan

Wide menu:
Embedded in
DiaSorin menu
(>130 tests)

DiaSorin LIASON XS & XL

>8,000 systems Worldwide

QuantiFERON differentiation

- Full automation capability
- Highly specific
- No inter-reader variability
- Electronic results
- Quality-assured laboratory test

QIAreach – QFT TB CE-IVD

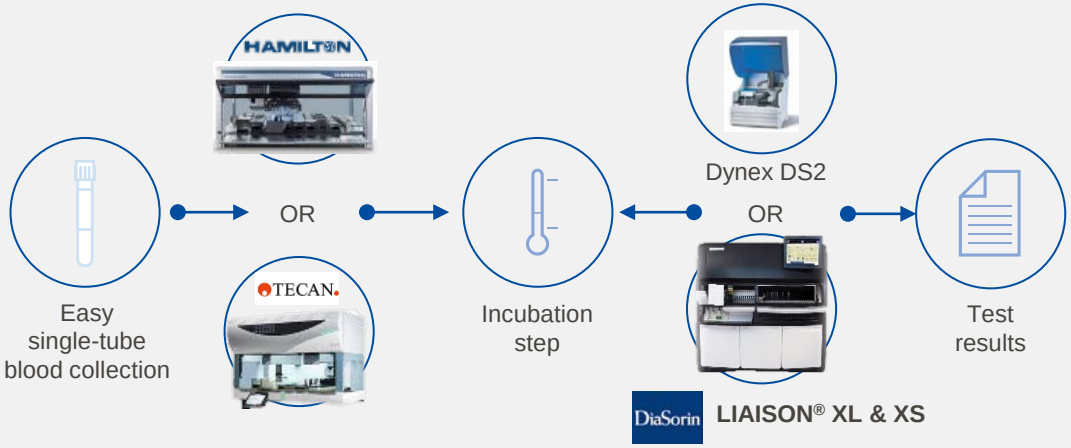
No continuous power supply needed

No calibration or maintenance needed

No computer needed

No cold chain for consumables

Expanding access to high disease burden, low-resource areas



QuantiFERON Lyme: Combination of tests allowing a new level of detection

CE-IVD test launched in 2021

	Confirmed cases	Potential testing market
Europe	~35,000 per year	~12-14 million tests per year
U.S.	~30,000 per year	~5 million tests per year

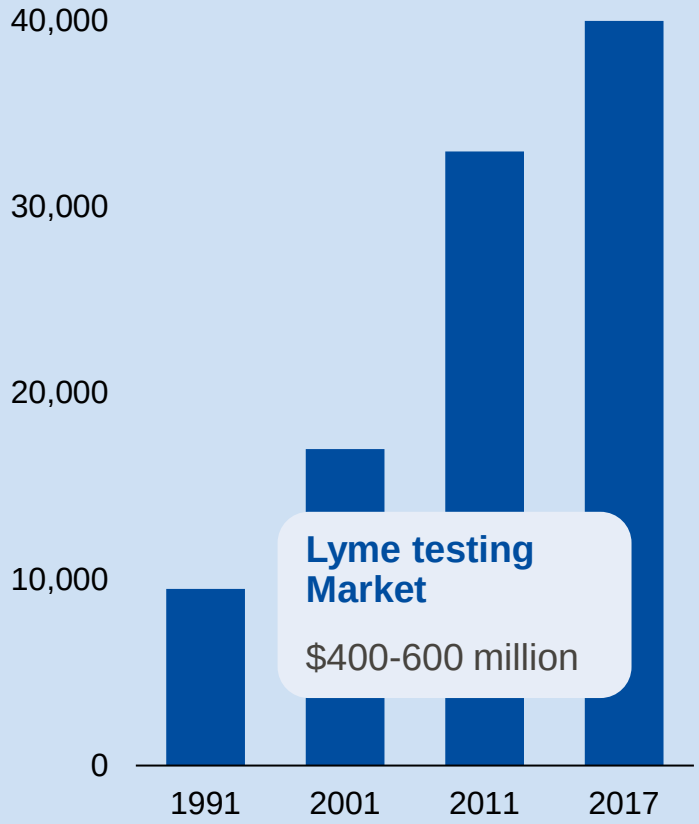
Combination of tests addresses urgent need for early detection

DiaSorin Lyme IgG
DiaSorin Lyme IgM
DiaSorin Lyme QFT

QIAGEN

→ Increased sensitivity in acute infections drives antibiotic therapy decision → Effective treatment and monitoring of infected patients

Rising occurrence of Lyme disease



(1)https://ecdc.europa.eu/sites/portal/files/media/en/healthtopics/vectors/world-health-day-2014/Documents/factsheet-lyme-borreliosis.pdf
(2)https://www.cdc.gov/lyme/datasurveillance/index.html 3 EDMA Market Data & proprietary market intelligence 4 US healthcare insurance reimbursement data

Infectious diseases: New generation of PCR technology for urgent needs

Core / Hospital laboratories

Market opportunity

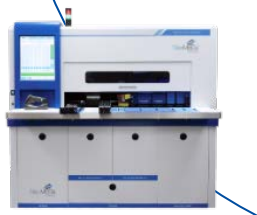
>$3 billion

~+7-9% CAGR

Hospital and reference lab networks

Requirements:

- Full automation
- Fast time to result
- Random access and continuous loading
- Longer therapeutic window
- Chronic conditions
- High volume / Low-cost
- Breadth of menu
- Low plex / Targeted



NeuMoDx

Near-patient clinical laboratories

Community hospitals and reference lab “outreach” centers

Requirements:

- Fast turnaround time
- Shorter care window
- Acute conditions
- Syndromic / comprehensive tests
- CLIA status (medium / waived)
- Breadth of menu
- Workflow
- Low volume / Medium cost

Market opportunity

>$1.2 billion

~+20-25% CAGR

QIAstat-Dx

QIAstat-Dx: Capturing opportunities in the rapidly growing market of syndromic testing

What is syndromic testing?

Syndromic testing is a new approach to molecular diagnostic testing which uses a single test to look for multiple viral, bacterial or fungal infections.
Sets of common signs and symptoms are called ‘syndromes’, from the Greek word for concurrence.
Testing multiple pathogens in a single test reaction is known as multiplexing. Multiplex molecular syndromic testing gives answers that are more accurate, comprehensive, and actionable for real-life decisions in critical care.
Several studies demonstrate how using panels to detect multiple pathogens at once is associated with both improvements in clinical practice and better outcomes, from increased diagnostic yield, greater diagnostic accuracy, to less use of resources, antibiotic use and reduced overall length of stay.

References: Center for Disease Control and Prevention 2018-2019 flu season
https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm

QIAstat-Dx: Reliable, fast and cost-effective diagnosis of complex syndromes

Diagnostic solutions

QIAGEN

Unrivaled ease-of-use

1 Transfer sample to cartridge

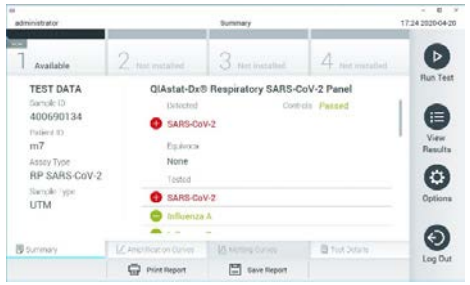
2 Press the Run and scan sample

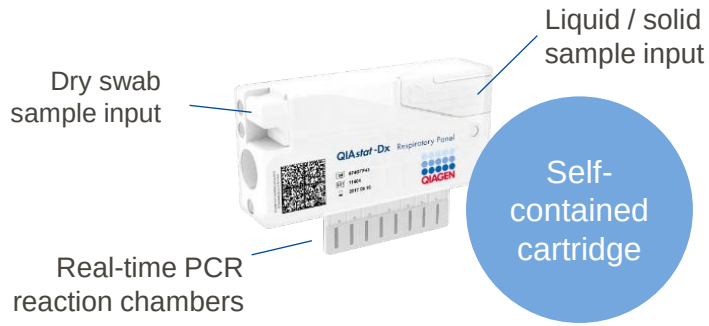
3 Scan barcode of cartridge

4 Insert cartridge

5 View results in 1 hour

More than a “yes / no” answer – access deep clinical insights





Operational module

Intuitive and simple graphical user interface

Analytical modules

- Small footprint with low maintenance requirements
- Up to 4 modules run on one operational module

QIAstat-Dx: Expanding menu in U.S. and Europe

Broadening the addressable market with QIAstat-Dx Rise

Small hospitals
Public health labs

Single test run

Medium-sized hospitals
Regional reference labs

Runs 4 tests simultaneously

National reference labs,
Large IDNs

Runs 18 tests simultaneously

NEW

QIAstat-Dx
Rise

Higher throughput testing capacity

Walk-away efficiency and random access

Seamless connectivity for enhanced testing continuity *powered by QIAsphere*

Unrivalled ease-of-use, no sample preparation required

Growing test menu

	CE-IVD	FDA
Gastrointestinal	✓✓	✓
Respiratory	✓✓	✓✓
Respiratory SARS CoV-2	✓✓	✓✓
Respiratory 4plex	✓✓	✓
Meningitis	✓✓	2022
Blood Culture Identification (BCID)	2022	2022
V2 Respiratory SARS CoV-2 (faster results, updated targets)	2023	2023
Complicated urinary tract infection (cUTI)	2023	2023
Pneumonia	2023	2023

Submitted ✓ Completed ✓✓
Year of planned submission

QIAstat-Dx:
Novel syndromic testing system delivering unique value

Diagnostic solutions

	QIAstat-Dx (4 scalable slots used for comparison)	**QIAstat-Dx - Rise**	Biofire FilmArray (1 slot)	Biofire Torch (12 slots)	Luminex ePlex (12 slots)	Genmark Verigene (1 slot)
Throughput (in 8 hours)	28	56	9	108	60	4
Throughput per slot (in 8 hours)	7		9	9	5	4
Sound emission < 60 dB	Yes	Yes	No	No	Yes	Yes
Integrated CPU and Reader	Yes	Yes	No	Yes	Yes	No
Hands-on time (in minutes)	< 1		4	4	< 1	10
Reagent preparation required	No	No	Yes	Yes	No	Yes
Respiratory direct swab (CE-IVD)	Yes		No	No	No	No
Modular assay design (allows flexibility to adjust for reimbursement)	Yes		No	No	No	No
Quantified results	Yes	Yes	No	No	No	No
Infectious disease and oncology platform capabilities	Yes		No	No	No	No

Source: QIAGEN estimates based on industry data

NeuMoDx: Bringing simplicity of clinical chemistry to integrated PCR testing

New generation of integrated PCR

Two scalable platforms: 96 and 288

Fully acquired in September 2020

Broad CE-IVD menu

Investing into U.S. menu expansion

NeuMoDx differentiation

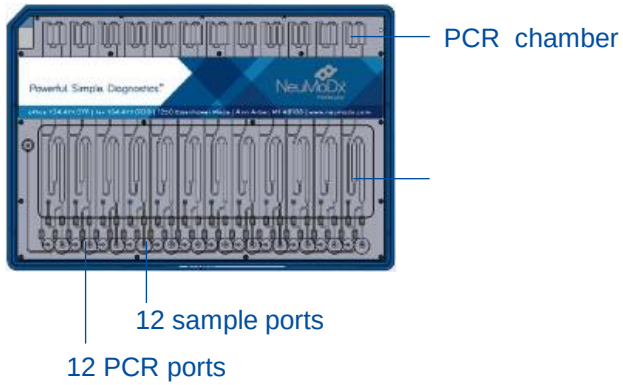
- Easier: Three-step workflow process
- Faster: First results in ~1 hour
- More versatile: Capability to run Laboratory Developed Tests
- Convenient: Room temperature stable reagents

Self-contained cartridge

- High throughput
- Ultra-fast results
- Regulated and LDTs in parallel
- True random access
- Cost efficiency

Fully integrated microfluidic design

- No moving parts
- Containment of all waste
- Fewer plastic disposibles



LDTs – Laboratory-developed tests

NeuMoDx: A unique integrated PCR testing platform in >$3 billion market opportunity

Diagnostic solutions

	 NeuMoDx 288	 NeuMoDx 96	Hologic Panther	Hologic Panther Fusion	Roche Cobas 6800 (+ Omni LDT channel)	Roche Cobas 8800	Beckman Veris (Discontinued)	Abott Alinity M
Volume in '00,000s cm^3	38	16	18	27	81	120	38	48
On-board analytes	30	20	4	32	12	12	20	20
True random access	Yes	Yes	Only 4 assays	PCR or TMA	Random batch	Random batch	No	Random batch
Random access menu breadth	30	20	4	32	3	3	No	20
Continuous loading of IVD + LDTs	Yes	Yes	No	Yes	No	No	No	No
Time to first result (minutes)	40	40	150-210	150-210	210	210	90	115
On-board sample capacity	288	96	120	120	350	350	48	150
Throughput (in 8 hours)	360	150	275	335	384	960	150	300
LDT capabilities	Yes	Yes	No	Yes (PCR only)	Yes	No	No	No
Reagent reconstitution required	No	No	Yes	Yes	No	No	No	No

Source: QIAGEN estimates based on industry data. Benchmark based on NeuMoDx 288 system.

Oncology and Precision Medicine: QIAGEN as a partner of choice

>25 pharma partnerships

CDx and LDT Market

>$1.1 billion annually

~15% CAGR

Currently mostly LDT's

Day One Lab Readiness program

Program designed to further accelerate the access of cancer patients to QIAGEN's companion diagnostic products following regulatory approvals of drugs and their associated tests.

It allows our partners to prepare for newly launched tests with pre-approval of workflow implementation, training, assay verification, forecasting, medical communication and reimbursement to ensure immediate readiness upon launch.

LabCorp · Molecular Pathology Laboratory Network, Inc. · Insight Genetics · NEO Genomics

CDx – Companion diagnostic

Oncology and Precision Medicine: QIAGEN as a partner of choice

QIAGEN molecular diagnostic development

- 26 IVD development programs either in pre-clinical or clinical phase
- 20 CDx (Pharma sponsored) programs in clinical development
- 5 IVD clinical studies in China for internal IVD and Pharma-sponsored CDx development
- 5 Immuno-oncology CDx development programs in the clinic
- 2 NGS IO GEP development programs

2021 sales: ~$80 million

- ~50% Pharma co-development revenues
- ~50% Sales of CDx assay portfolio

Offering both PCR and NGS technologies for CDx

2012	2013	2014	2015	2018	2019	2020	2021
Lilly KRAS Colorectal	Boehringer Ingelheim EGFR Lung	AMGEN KRAS Colorectal	AstraZeneca EGFR Lung	Pfizer EGFR Lung	NOVARTIS PIK3CA Breast; janssen FGFR Urotheria	Pfizer BRAF Colorectal	janssen FGFR V2; AMGEN KRAS G12C; blueprint MEDICINES PDGFRα GIST

Women’s Health: Prenatal testing and detection of sexually transmitted diseases

Cervical cancer screening

Digene – Comprehensive range of human papillomavirus DNA test

Maternal / Fetal testing

AmniSure – For the detection of PAMG-1 in amniotic fluid of pregnant women

PartoSure – To aid in the diagnosis of preterm labor

Sexually Transmitted Infections (STI) testing

Range of STI tests, including tests for detection of Chlamydia trachomatis (CT) and Neisseria gonorrhoeae (NG) infections

PCR / Nucleic Acid amplification

Digital PCR - QIAcuity

PCR reagents and instrumentation

Customized arrays

Customers

Life Sciences

Academic

Pharma

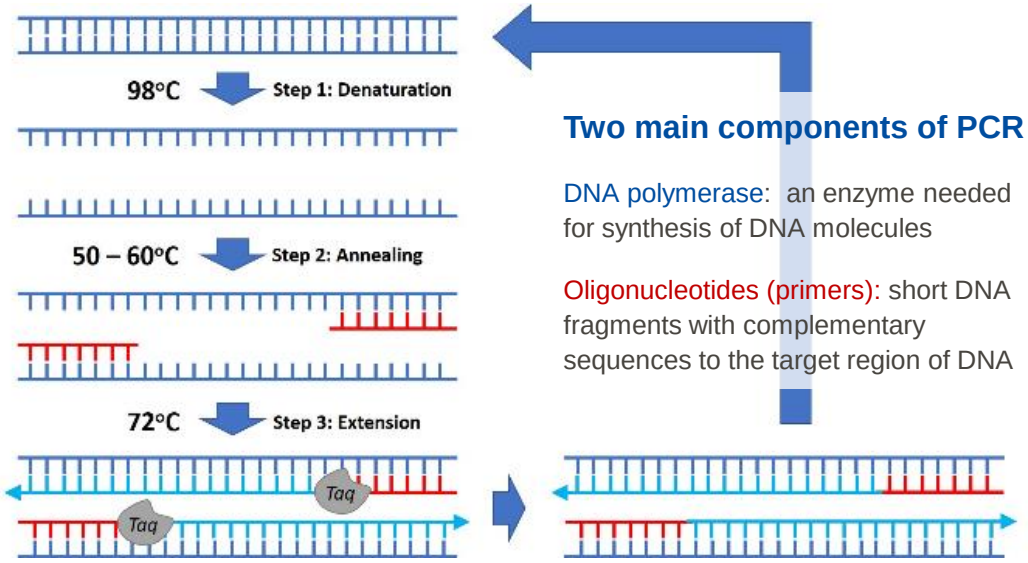
Applied testing

PCR: One of the most widely used tools in molecular biology

What is polymerase chain reaction (PCR)?

The process of replicating a specific DNA fragment though a series of thermal cycling to generate thousands to millions of copies.

Originally developed in 1983 by the American biochemist Kary Mullis.



Two main components of PCR

DNA polymerase: an enzyme needed for synthesis of DNA molecules

Oligonucleotides (primers): short DNA fragments with complementary sequences to the target region of DNA

Unlimited customization of arrays through QIAGEN's GeneGlobe portal

What is a PCR array?

A PCR array or PCR panel is a set of primers compiled for a collection of targeted genes of a specific theme or biological pathway. They are used in quantitative PCR for gene expression analysis and usually delivered in a 96- or 384-well plate format.

Digital PCR:
A new level of precision and sensitivity

What is digital PCR?

Digital PCR is a highly accurate approach for nucleic acid detection and quantification.

The basic principle is the same as other PCR technologies

Replicating a specific DNA fragment though a series of thermal cycling to generate copies.

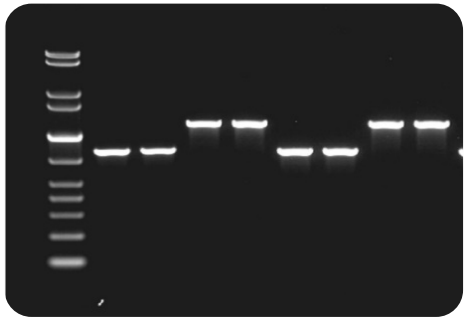
The difference

Each DNA molecule is partitioned into individual PCR reactions and amplified separately. This means that it is possible to measure absolute numbers of DNA molecules, effectively counting them. Digital PCR does not rely on a standard curve for sample target quantification. Eliminating the reliance on a standard curve greatly reduces error and improves precision.

Select applications

- Copy number variation
- Rare mutation detection
- Gene expression
- miRNA analysis
- Microbial pathogen detection
- NGS validation GMO detection

Digital PCR: The latest generation of PCR technology

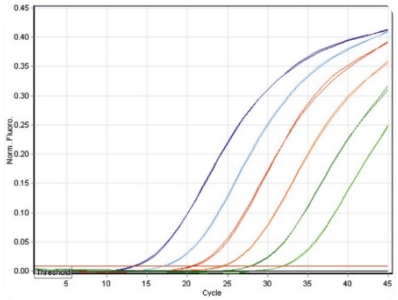


1st generation

Conventional PCR

Qualitative

- Technically simple
- Multiplexing capabilities
- End-point detection
- Low cost

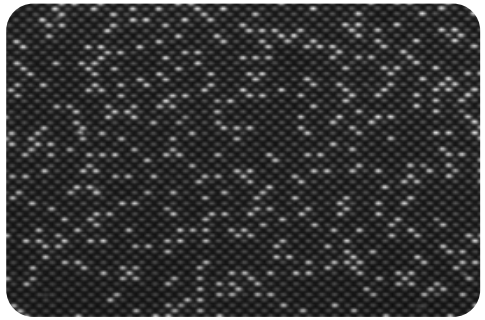


2nd generation

Quantitative RT-PCR (qPCR)

Relative quantification

- High accuracy, sensitivity and specificity
- Rapid cycling and throughput
- Non-specific amplification



3rd generation

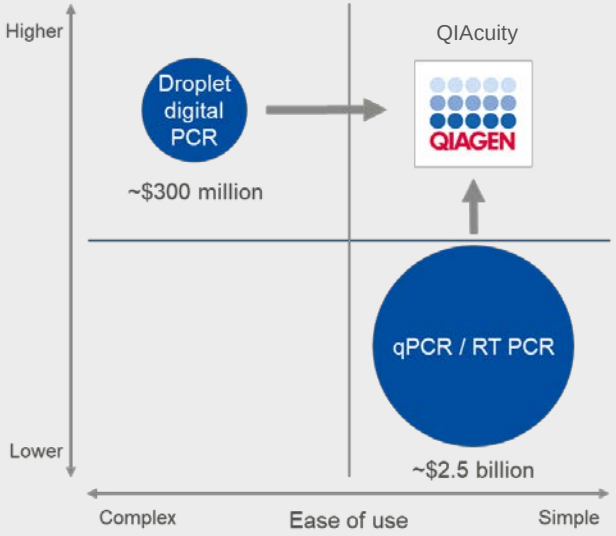
Digital PCR (dPCR)

Absolute quantification

- No standard curves
- Higher precision and sensitivity
- Low sensitivity to inhibitors
- End-point detection

Leveraging novel technology with QIAcuity digital PCR

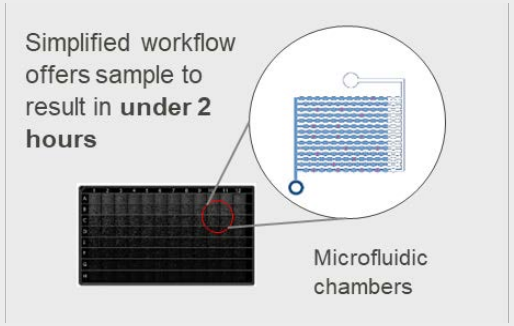
Enabling access to the comprehensive PCR market



Easy-to-use system vs. competition

Scalable	More versatile	Easier	Faster
Greater flexibility	Higher multiplexing	Fully automated workflow	Over twice as fast time-to-result

Differentiated nanoplate system



QIAcuity One

QIAcuity Four

QIAcuity Eight

Five pillars: QIAcuity digital PCR continuing to expand applications

QIAcuity dPCR differentiation

Easier
Fully automated workflow in one compact instrument

Faster
Over twice as fast as droplet digital PCR; results in under 2 hours

More versatile
Scalable throughput and higher multiplexing capability

QIAcuity One | QIAcuity Four | QIAcuity Eight

Highlighted applications

Cancer research NEW

New automated workflow combining EZ2 Connect and QIAcuity creates powerful Sample to Insight solution for liquid biopsy and FFPE samples

Cell and gene therapy NEW

New application note from National Resilience Inc. demonstrates use of QIAcuity workflow for an automated, high-throughput method to determine viral genome titers

Microbial detection NEW

New QIAGEN dPCR Microbial DNA Detection Assays deliver specificity and sensitivity of QIAcuity in a fast and simple workflow

Wastewater testing

70% of U.S. states using QIAcuity for wastewater detection of SARS-CoV-2

Partnership with GT Molecular for complete wastewater testing workflow

Proteomics

Partnership with Actome for development of protein quantification assays coupled with genomic analysis

PCR enzymes, reagents, and arrays for research workflows

QuantiNova: Automatable, ultrafast kits with in-process controlled safety measures

- PCR or 1-step & 2-step RT-PCR
- SYBR Green or Probe based detection
- Singleplex or multiplex options
- Use with custom primers or pre-designed assays, arrays, panels

	QuantiNova SYBR Green PCR Kit	QuantiNova Probe PCR Kit	QuantiNova Multiplex PCR Kit	QuantiNova Reverse Transcription Kit	QuantiNova SYBR Green RT-PCR Kit	QuantiNova Probe RT-PCR Kit	QuantiNova Multiplex RT-PCR Kit	QuantiNova Pathogen +IC Kit
Starting material	cDNA or gDNA			RNA				DNA/RNA
Use in quantitative RT-PCR	2-Step			cDNA synthesis	1-Step			
Detection chemistry	SYBR® Green I	Probes	Probes		SYBR Green I	Probes	Probes	Probes
Multiplexing		2-plex	5-plex			2-plex	5-plex	4-plex
Internal control provided				Internal Control RNA				IC DNA/ RNA & assay
Visual pipetting control	•	•	•		•	•	•	•
gDNA removal				•		•		
Room temperature set-up	•	•	•		•	•	•	•

For more info on QuantiNova visit https://go.qiagen.com/QuantiNovaKits

QuantiNova: Automatable, ultrafast kits with in-process controlled safety measures

- Expert-designed panels target the most relevant genes
- Simple procedure enables routine use with any real-time PCR instrument
- Complimentary online tools make data analysis quick and easy

qPCR consumables market

~$2.5 billion

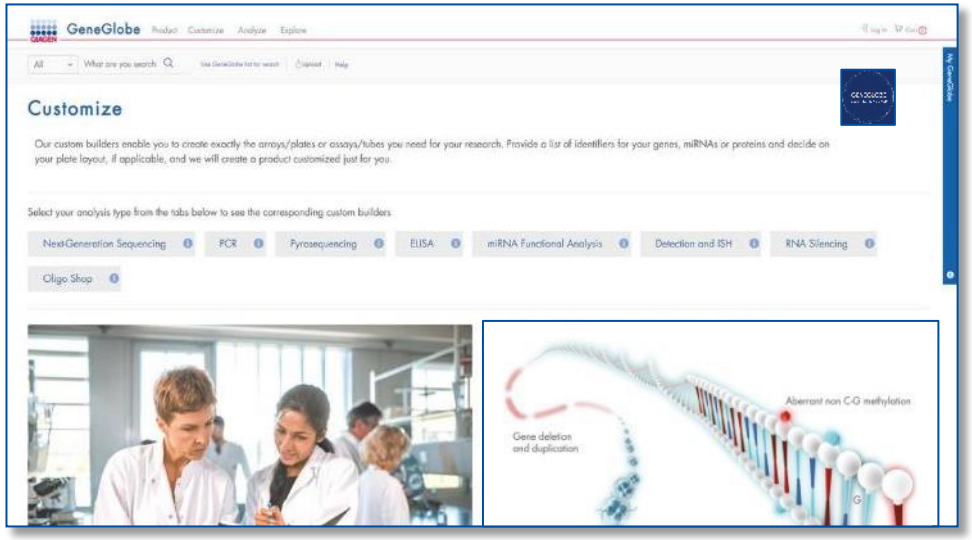
~1-2% CER annual growth

Customized arrays: GeneGlobe design and analysis portal for biological content

A world of genes, pathways and biological targets

Find NGS, PCR and functional analysis assays in the relevant scientific context. Design custom products with full flexibility on target regions, configuration and format. Analyze data with ready-to-use NGS and PCR analysis pipelines, and plan follow-up studies to further explore results.

- 10 years of experience
- NGS and PCR applications(1)
- >10,000 users
- >10 million possible custom arrays
- >15,000 publications included



SEARCH / BROWSE

Browse the broadest portfolio of NGS, PCR and functional analysis assays and oligos with an intuitive and streamlined navigation

KNOWLEDGE HUB

Explore our knowledge hub filled with gene and pathway information, access to product handbooks and resources, and reading rooms on special topics

CUSTOM PRODUCT BUILDER

Create custom products tailored to your research question using our comprehensive set of redesigned custom product builders

DATA ANALYSIS CENTER

Analyze your NGS or PCR data using our complimentary suite of online analysis tools

(1) Millions of assays for digital PCR applications

Genomics / NGS

Universal NGS consumables

Illumina collaboration NGS assays

Bioinformatics solutions

Customers

Life Sciences

Academic

Pharma

Applied testing

Molecular Diagnostics

Universal NGS: QIAseq solutions providing high-performance chemistry

Target enrichment and streamlined library preparation leveraging leading sample preparation and bioinformatics

QIAGEN NGS differentiation

Superior technology performance for target enrichment

Gold standard RNAseq products for miRNA and RNA removal

Integrated with leading sample preparation and bioinformatics

NGS research market

>$800m market

>15% CAGR

Over 1 million cancer samples analyzed

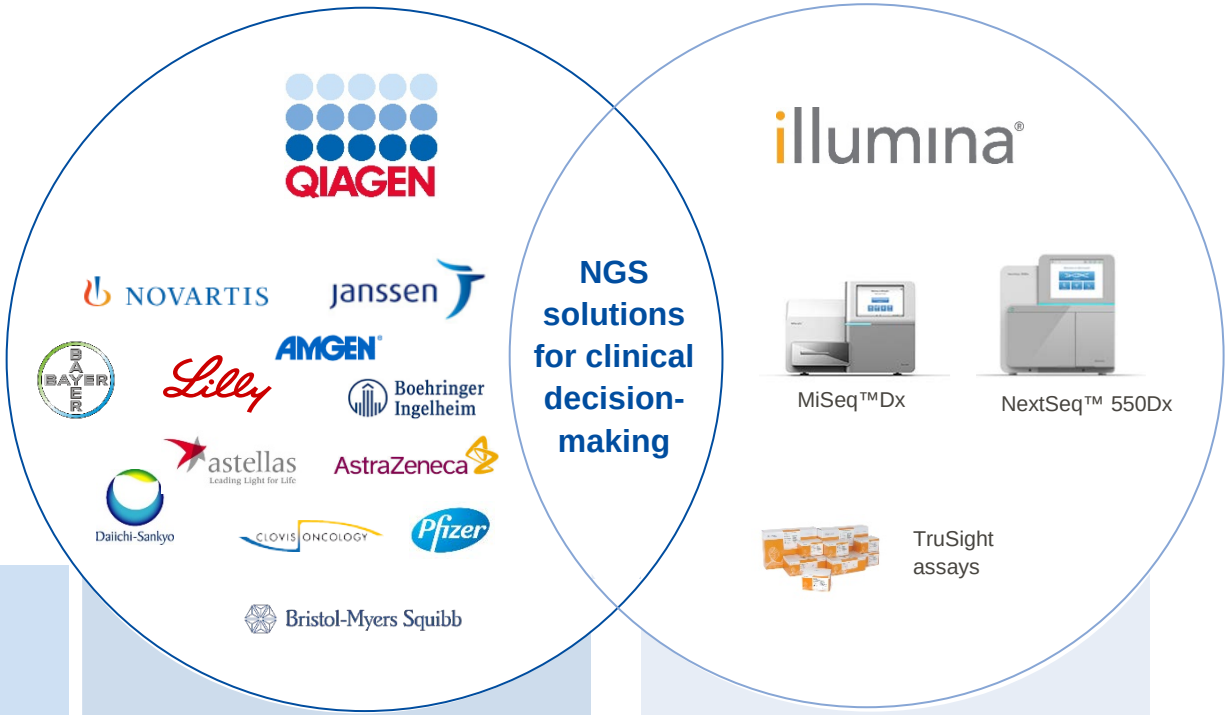
Sample collection and stabilization → DNA/RNA purification → Target enrichment and/or Library prep → QC → Sequencing → Analysis and interpretation

QIAGEN sample preparation	QIAseq Universal NGS solutions Compatible with any sequencer	QIAGEN Digital Insights Compatible with any sequencing data

Partnership to accelerate use of NGS in clinical decision-making

QIAGEN to develop and market NGS IVD kits (including CDx assays) for use on Illumina systems

- Integrated with QIAGEN sample technologies, NGS IVD kits and bioinformatics solutions for “Sample to Insight” experience
- Rights for use of Illumina’s clinical sequencers
- Illumina to sell sequencers and related sequencing consumables



Initial focus area in Cancer

Future options to expand into other key IVD areas

- Cancer (Genomic profiling)
- Infectious diseases
- Autoimmune diseases
- Cardiology
- Hereditary diseases
- Inflammatory diseases

- Leader in sample technologies, NGS assays, bioinformatics
- Strong global commercial presence
- >25 pharma CDx partnerships

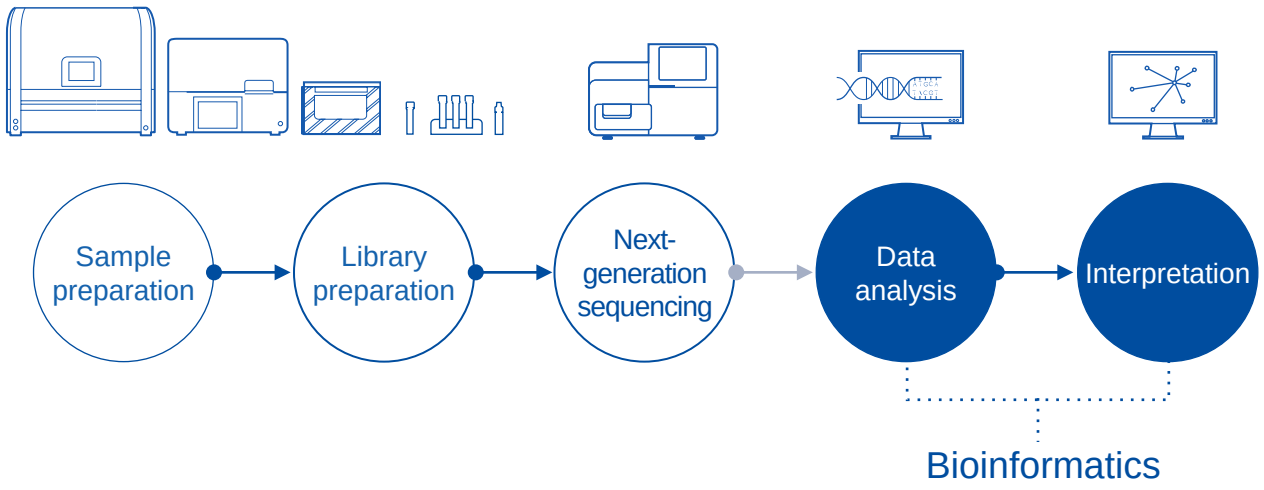
- Leadership in NGS platform technology
- Extensive global installed base
- Significant platform R&D investments

IVD – In-vitro diagnostic CDx – Companion diagnostics NGS – Next generation sequencing

QIAGEN Digital Insights: Turning sequencing data into clinically actionable information

Bioinformatics [baɪ.oʊˌɪnfərˈmætɪks] is an interdisciplinary field that develops methods and software tools for understanding biological data. As an interdisciplinary field of science, bioinformatics combines biology, computer science, information engineering, mathematics and statistics to analyze and interpret biological data.

Reference: wikipedia



Bioinformatics market

~$620 million

~15% CER annual growth

The partner of choice for actionable insights from molecular and real-world data

Multi-year partnership examples

Genomics england NHS

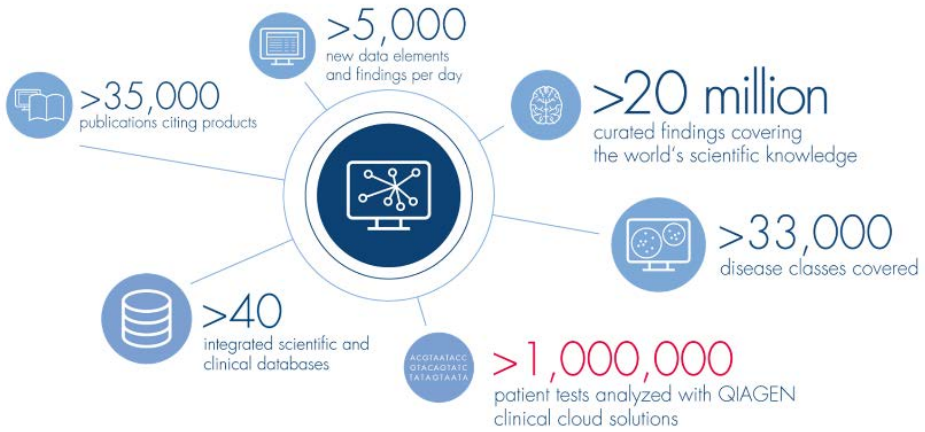
Preferred vendor for Genomics England to analyze 5 million genomes in 5 years for genetic disorders

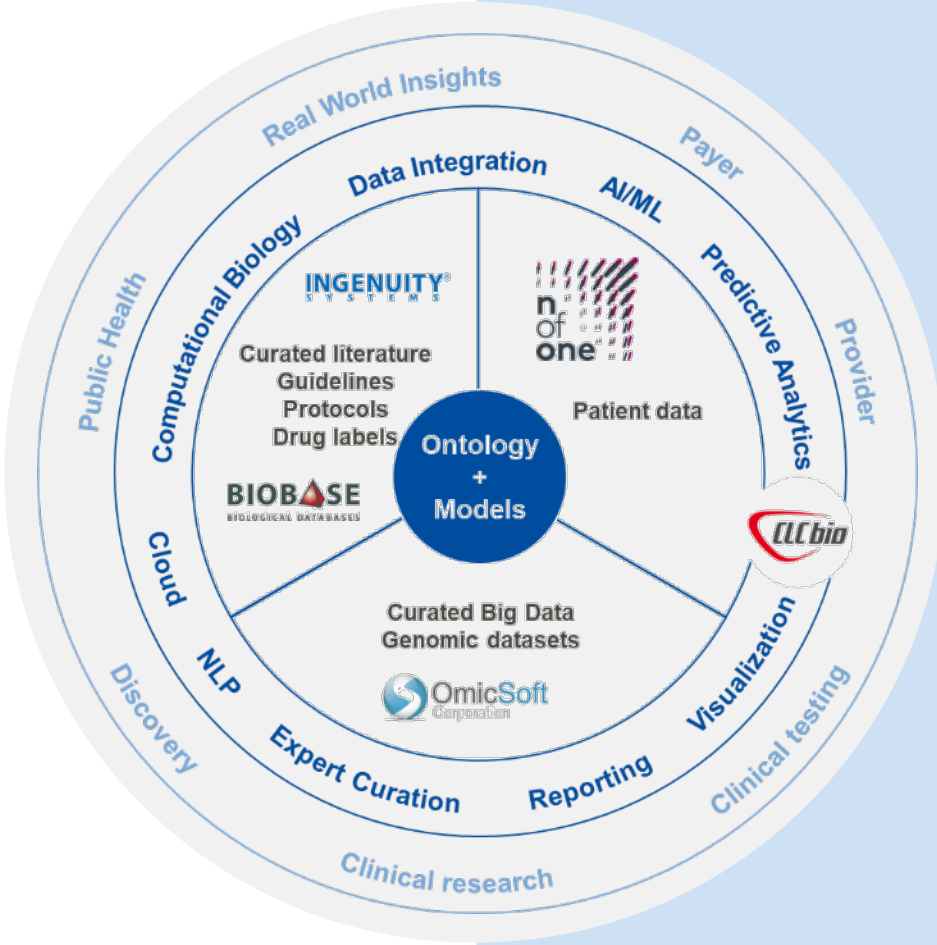
قطر جينوم QATAR GENOME Member of Qatar Foundation

Deliver custom NGS patient data interpretation for genetic markers for predispositions

国立研究開発法人 国立がん研究センター National Cancer Center Japan

Molecular oncology and oncogenetic screening data in Japan's landmark program with NGS testing



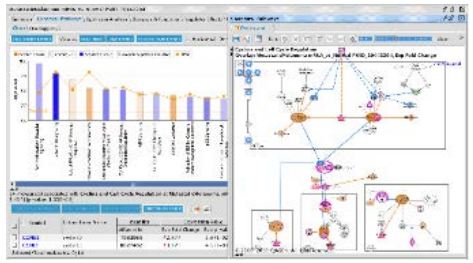


Discovery Insights: Serving the research community

Example: Analyzing gene expression data from Sample to Insight

Biological sample

Freedom of Choice



Sample to data

NGS library prep
Sequencing

- Platform and Assay agnostic
- Whole transcriptome, Single Cell experiments

Data to information

Normalization and QC
Read mapping
Gene expression

- QIAGEN CLC Genomics Workbench, Server and Cloud Engine
- Per sample Analysis Portal, BaseSpace Integration

Information to knowledge

Data Integration
Metadata exploration
Differential expression

- QIAGEN OmicSoft Server and Land Explorer
- Curated Experiments (OncoLand, DiseaseLand, GeneticsLand, Single Cell Land)

Knowledge to insight

Interpretation
Pathway analysis

- QIAGEN Ingenuity Pathway Analysis

“The insights we gained through QIAGEN’s analysis point the way to a possible therapeutic target for disease intervention.”

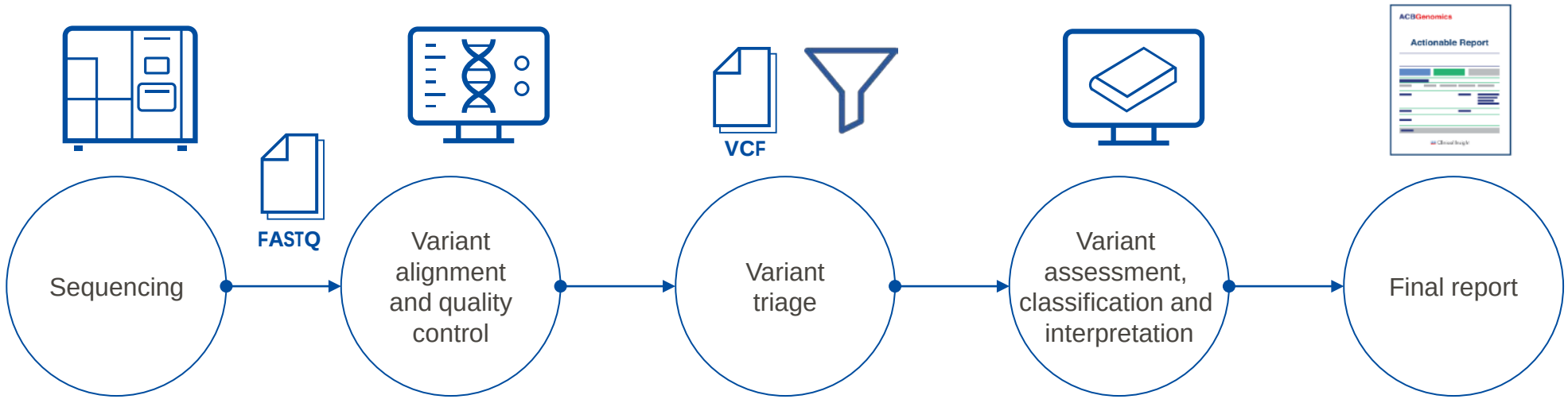
DR. MATTHEW DODSON
Post-Doctoral Research Associate,
Department of Pharmacology and Toxicology, University of Arizona

---

Because of **QIAGEN** our customers
are making improvements in life possible.

Clinical Insights: Serving the diagnostic laboratories

Software platform for scalable, standardized and reproducible variant interpretation



		QCI PRODUCTS
ONCOLOGY		
Clinical Testing Labs	Freedom of choice	← Precision Insights- QCI Interpret –QCI Interpret One →
Clinical Research Workflows	Freedom of choice	← QCI Translational →
Clinical Research databases	Freedom of choice	COSMIC- HSMD

		QCI PRODUCTS
HEREDITARY		
Clinical Testing Labs	Freedom of choice	← QCI Interpret →
Clinical Research Workflows	Freedom of choice	← QCI Translational →
Clinical Research databases	Freedom of choice	HGMD

Sustainability at QIAGEN

Sample to Insight

Committed to building a sustainable business

We have set ambitious goals to contribute to a more sustainable future – never compromising on our high quality standards

By 2050:
Carbon neutral

2030 interim goal: 40% reduction in Scope 1 and 2, 10% reduction in Scope 3

9% reduction
in plastic transport packaging in 2022

Goal: 35%
women in leadership in 2022

2021 level: 33%

Goal: Maintain our ratings with Bloomberg Gender Equality Index and the Human Rights Campaign

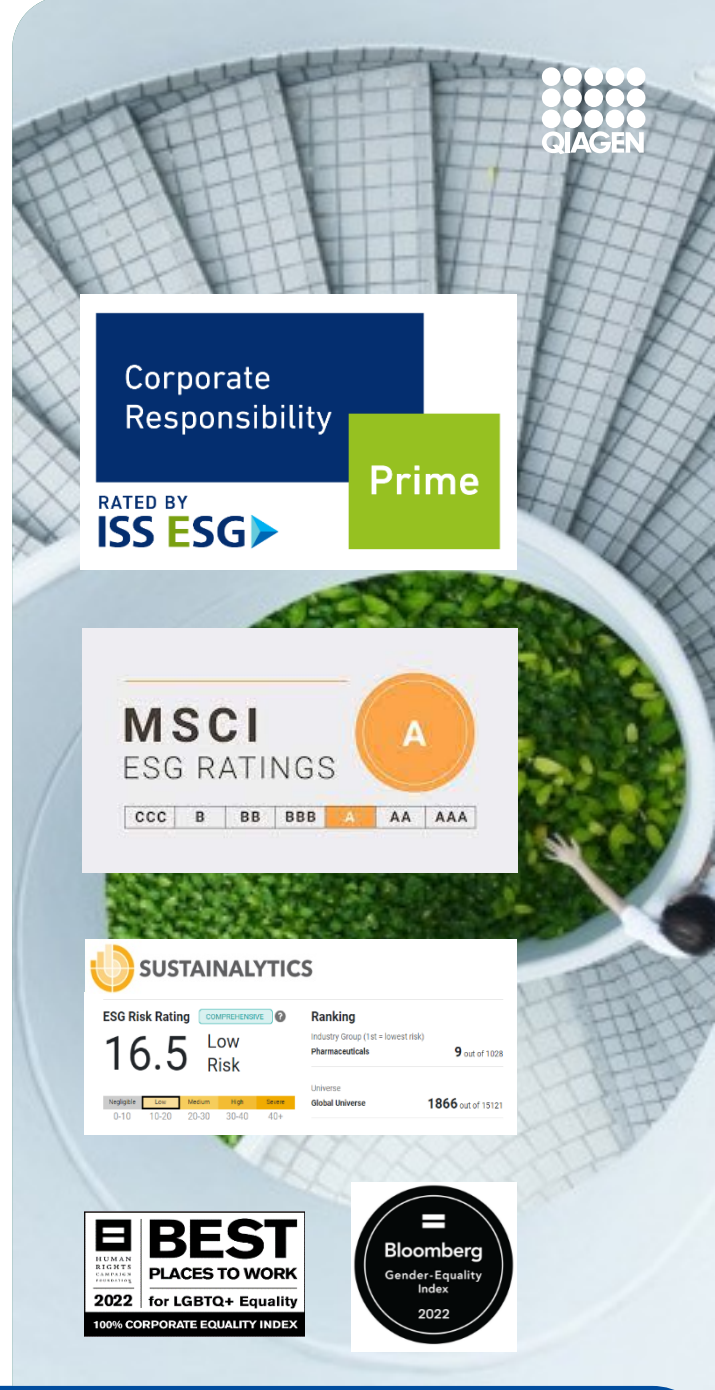
100%
Suppliers committed to sustainable improvement goals by 2023

100%
Compliance training for all new employees

Environment
Practice sustainability and protect global ecosystems

Social
Foster diversity, inclusion and access to healthcare

Governance
Ensure responsible corporate practices and compliance



Environmental protection is an issue of continued and committed concern for QIAGEN

Eco-friendly transportation

Conversion of air freight to sea freight saving ~1.164 tons/year of CO_2 since 2018

Reduction of Scope 1 & 2 CO_2 emissions by 9.1% in 2020

Reduction of business travel CO_2 emissions by 81.1% below the base year in 2020

Reduction of impact of employee commuting

- Installed charging stations for electric cars and bikes
- Company bike program at select sites
- Provision of discounted train and bus tickets to encourage the use of public transportation
- CO_2 emission are a key deciding factor in the purchase of new company cars

Site energy conservation

Initiated energy extraction from co-generators, better insulation, heat recovery and installation of intelligent building systems

- Installing solar panels
- Purchasing green energy attributed certificates
- Purchasing high-quality carbon credits

E.g. in 2020, installed LED lighting at our Germantown facility = expected to save 300,000 kwh per year

Environmental

Integrating sustainability throughout the value chain

Examples of sustainability in product design

- Avoiding materials that cause a lot of damage when they are mined, cannot be recycled or do not decompose
- Improving repairability, longevity, and allowing for reuse
- Designing products to use less energy and produce less waste for customers
- Optimizing recycling by making it easy to separate materials

QIAwave: New eco-friendly versions of best-selling kits

QIAwave RNA Mini Kit / QIAwave DNA Blood & Tissue Kit / QIAwave Plasmid Miniprep Kit

NEW

Up to **63%**
less plastic

Up to **42%**
less cardboard

- **Waste tubes made from 100% post-consumer recycled plastic**
- **86% reduction in concentrated buffers plastic materials**
- **No printed protocols – scan QR code inside box for download**

Plastic footprint reduction

Reduce

Reduced the thickness of blister film in packaging equating to a 2800 kg annual reduction

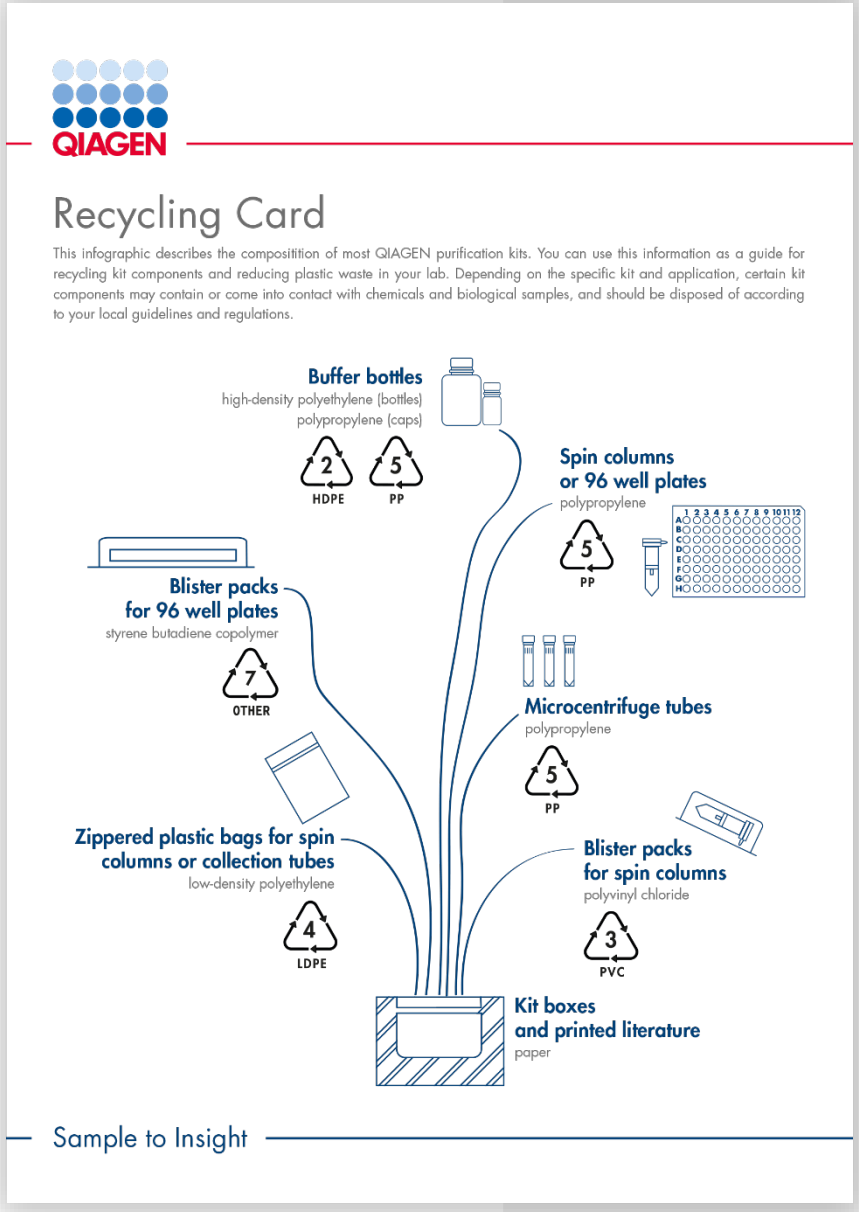
Reduced the number of gel packs used equating a 33.4 ton annual reduction

Replace

Replaced packaging with sustainable material for cold shipments in North America and Canada – reducing our plastic footprint by > 14 tons per year

Recycle

Recycling cards inform our customers of kit composition and provides information on safe recycling according to local guidelines and regulations



Conducting business in a responsible way through ethical foundations

Respecting human rights and legally compliant business behavior

Supply Chain

As part of our supplier selection process, we assess the suppliers' policy regarding human rights issues. In addition, first-tier suppliers must confirm REACH, RoHS and SEC compliance as appropriate. Violations against human rights in our supply chain inherits reputational as well as legal risks for QIAGEN. Supplier audits are conducted if non-compliance is suspected.

Conflict minerals

Certain minerals (known as "conflict minerals") have been linked with human rights abuses in the Democratic Republic of Congo and other conflict zones. We have performed an extensive inquiry into the company's supply chain to ensure that no conflict minerals from the Democratic Republic of Congo or adjoining countries are used in the company's laboratory instruments.

Society / Employees

Deepening commitment to diversity and inclusion

Diverse teams strengthen our organization through the variety of ideas, perspectives and approaches

Executive Council on Equal Opportunity (ECEO)

Created to drive change within QIAGEN around diversity and inclusion

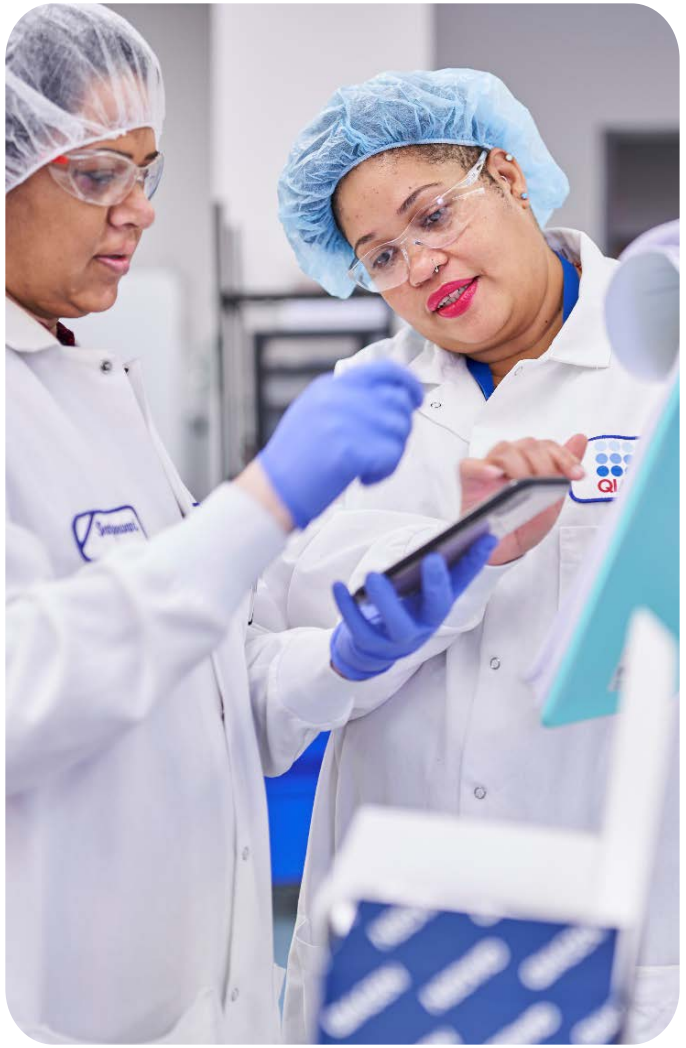
Diversity and Inclusion Ambassador Program

>25 QIAGENers from around the world championing diversity and inclusion across global sites

Ongoing strategic initiative to increase gender diversity

Increased women in leadership roles from 29% in 2018 to 32% by end-2020

We value an environment where all individuals have equal opportunity to grow and contribute



>6,000
passionate QIAGENers around the world are employed by QIAGEN

People from all functions working together to achieve our vision: Making improvements in life possible

We have a culture of empowerment driven by achieving targets

Decentralized decision-making

- Giving teams at all levels greater influence
- Bringing decisions closer to customers

Ambitious but realistic targets

- Appropriately balance opportunity and risk
- Training teams on PREmortem analysis

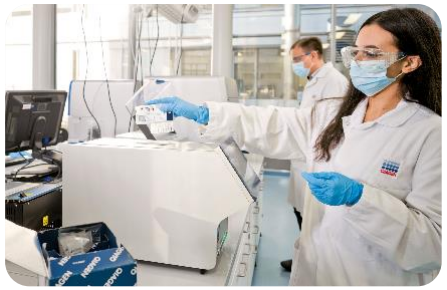
A culture of “doers”

- Foster a stronger culture of ownership
- Increase diversity in global workforce







QIAGEN operates under a two-tier corporate structure

QIAGEN has established an Executive Committee (EC) – which comprises the CEO, the CFO and certain experienced leaders.

Under leadership of the CEO, the members of the Executive Committee share powers and responsibilities for operational management.

- Under Dutch Law, QIAGEN's Managing Board is accountable for the actions and decisions of the EC and has ultimate responsibility for external reporting.

The Managing Board is accountable for actions and decisions by the Executive Committee

Executive Committee

- Comprised of experienced leaders across the company
- Allows for functions, businesses and markets to be represented at the highest levels

Managing Board

- Top management body of QIAGEN N.V.
- Decisions on issues of business policy and corporate strategy, as well as annual and multi-year plans
- Comprised of two members (CEO and CFO)
- Preparation of the financial statements

Close cooperation for the benefit of the company

Informs and reports to

Advises, oversees, approves

Supervisory Board

- Review and approval of financial statements
- Comprised of seven members
- Four committees (Audit, Compensation, Selection & Appointment, Science & Technology)

Reports to / Elects and ratifies

Reports to / Elects and ratifies

Annual Shareholders Meeting

- Each share carries one vote
- Decisions on key topics (e.g. the appropriation of net income, the ratification of the acts of the Managing and Supervisory Boards and the appointment of independent auditors)

Governance / Leadership

Executive Committee / Managing Board

Thierry Bernard
Chief Executive Officer

Joined QIAGEN in February 2015 to lead QIAGEN's growing presence in Molecular Diagnostics, the application of Sample to Insight solutions for molecular testing in human healthcare. He was named Chief Executive Officer in March 2020, after having previously served in this role on an interim basis. Mr. Bernard previously worked at bioMérieux, where he served in roles of increasing responsibility for 15 years, most recently as Corporate Vice President, Global Commercial Operations, Investor Relations and the Greater China Region. Prior to joining bioMérieux, he served in management roles in multiple international environments. Mr. Bernard was appointed a member of the Board of Directors of T2 BioSystems in 2020. He has earned degrees from Sciences Po (Paris), Harvard Business School, London School of Economics and the College of Europe and is a member of French Foreign Trade Advisors.

Roland Sackers
Chief Financial Officer

Joined QIAGEN in 1999 as Vice President Finance and has been Chief Financial Officer since 2004. In 2006, Mr. Sackers became a member of the Managing Board. Between 1995 and 1999, he served as an auditor with Arthur Andersen Wirtschaftsprüfungsgesellschaft Steuerberatungsgesellschaft.

Mr. Sackers earned his Masters Degree in Business Administration (Diplom-Kaufmann) from the University of Münster, Germany. He is a board member of the industry association BIO Deutschland. Mr. Sackers has been a member of the Supervisory Board and Chairman of the Audit Committee of Evotec SE since 2019

Executive Committee

Dr. Thomas Schweins
Sr. Vice President, Head of Life Science Business Area

Joined QIAGEN in 2004 as Vice President Corporate Strategy and was appointed Vice President Marketing & Strategy in 2005, where he was deeply involved in managing the global business toward Life Science customers. Prior to taking over leadership of the Life Science Business Area, he assumed responsibility for Human Resources. Dr. Schweins came to QIAGEN from The Boston Consulting Group. He previously worked as Technology Manager, and later as an Assistant to the Management Board at Hoechst / Aventis. He earned an M.Sc. Degree in Biochemistry from the University of Hanover. He obtained his Ph.D. at the Max Planck Society and an M.Sc. from the University of Southern California in Los Angeles, where he studied Business Administration and Chemistry.

Thierry Bernard
Sr. Vice President, Head of Molecular Dx Bus. Area

Joined QIAGEN in 2005 and worked in increasingly responsible roles until he was named Senior Vice President, Molecular Diagnostics Business Area and Corporate Business Development, in 2015. In October 2019, Mr. Viola was appointed member of the Executive Committee. Among other business transactions, his track record includes the acquisitions of Cellestis, Corbett Life Science, DxS and Enzymatics. Prior to joining QIAGEN, Mr. Viola served as President and CEO of Nextal Biotechnologies Inc., a provider of technologies for protein crystallization, and when QIAGEN acquired Nextal in 2005 he joined as Director of Protein Crystallization. Moving to Business Development in 2007, Mr. Viola led efforts in Asia-Pacific, the Americas, Global M&A and Corporate Ventures. He completed a Bachelor of Science in Biochemistry from the University of Montreal, Canada.

Dr. Jonathan Sheldon
Sr. Vice President, Digital Insights Business Area

Joined QIAGEN in 2018 as Senior Vice President, Bioinformatics Business Area. Dr. Sheldon came to QIAGEN from Oracle, where he was Global Vice President leading Oracle's Healthcare business in the Health Sciences Global Business Unit. Previously, he established the bioinformatics group and served as Head of Bioinformatics at Roche (UK) Pharmaceuticals. He serves on the Board of Directors of the Drug Information Association (DIA). He received his B.Sc. in Biochemistry and Molecular Biology from the University of Manchester, and his Ph.D. in Biochemistry and Molecular Biology from the University of Cambridge.

Executive Committee

Stephany Foster
Sr. Vice President, Head of HR

Joined QIAGEN in 2005 as Head of Global Internal Audit and was most recently Vice President, Head of Human Resources. Ms. Foster was also member of the NAELT (North America Executive Leadership Team) and steers the Diversity and Inclusion program at QIAGEN. She was named to her current role in October 2019. Prior to joining QIAGEN, Stephany Foster worked in internal audit at Morgan Franklin and Independence Air. She started her career at PricewaterhouseCoopers, specializing in Sarbanes Oxley Auditing. Ms. Foster has a master's degree in Accounting from the University of Notre Dame and is a Certified Public Accountant (CPA), a Certified Internal and Information Systems Auditor (CIA / CISA) and Certified Fraud Examiner (CFE).

Antonio M. Santos
Sr. Vice President,
Head of Global Operations

Antonio M. Santos joined QIAGEN in April 2022 as Senior Vice President, Global Operations, and a member of the Executive Committee. Mr. Santos has more than 25 years of experience in manufacturing diagnostics and medical devices. Prior to joining QIAGEN, he was Senior Vice President, Americas Operations & Global Third Party Products, at bioMérieux in St. Louis, Missouri, where he oversaw since 2013 all manufacturing and supply operations in the Americas. He has worked in international roles in China, Europe and the U.S., and previously served as Vice President Operations at Reliable Biopharmaceutical in the U.S. and at Hovione Pharmasciencia in Portugal, China and the U.S. After studying chemical engineering at the Nova University of Lisbon, School of Science and Technology, he earned an MBA at Rutgers University

Supervisory Board

Lawrence A. Rosen
Chair of the Supervisory Board

Joined the Supervisory Board in 2013 and was appointed Chair in 2020. He is Chair of the Audit Committee and Chair of the Nomination and ESG Committee, in addition to being a member of the Compensation and Human Resources Committee. He was previously a member of the Board of Management and Chief Financial Officer of Deutsche Post DHL from 2009 to 2016. Prior to this role, Mr. Rosen served as Chief Financial Officer of Fresenius Medical Care AG & Co. KGaA in Germany from 2003 to 2009, and earlier served as Senior Vice President and Treasurer of Aventis SA in Strasbourg, France. From 1984 to 2000. Mr. Rosen holds a Bachelor's degree in Business Administration from the State University of New York and an M.B.A. from the University of Michigan.

Dr. Metin Colpan
Supervisory Director

He is a co-founder of QIAGEN, its first Chief Executive Officer and a Managing Director from 1985 to 2003. Dr. Colpan has been a member of the Supervisory Board since 2004 and has served as Chair of the Science and Technology Committee since 2014, and a member of the Nomination and ESG Committee since 2015. He obtained his Ph.D. and Master of Science degree in Organic Chemistry and Chemical Engineering from the Darmstadt Institute of Technology in 1983. Prior to founding QIAGEN, Dr. Colpan was an Assistant Investigator at the Institute for Biophysics at the University of Dusseldorf. He has had wide experience in separation techniques particularly in the separation and purification of nucleic acids, and has many patents in the field. Dr. Colpan serves as a Supervisory Board member of the privately-held companies CGR GmbH in Mettmann, Germany, and Heilpflanzenwohl AG in Baar, Germany.

Supervisory Board

Thomas Ebeling
Supervisory Director

Joined the Supervisory Board in February 2021. Mr. Ebeling has been an advisor in recent years to various businesses after having served as the CEO of the publicly-listed German media group ProSiebenSat.1 Media from 2009 to 2018. Prior to that, he worked for the global healthcare company Novartis from 1997 to 2008, including roles as CEO of Novartis Pharmaceuticals and also as CEO of Novartis Consumer Health. He began his career in 1987 and held various positions in marketing and sales in the consumer goods industry before joining Novartis. He has a degree in psychology from the University of Hamburg, has previously served on the Supervisory Boards of Bayer AG and Lonza AG.

Dr. Toralf Haag
Supervisory Director

Dr. Toralf Haag joined the Supervisory Board and the Audit Committee in January 2021. He has served since October 2018 as Chairman of the Corporate Board of Management of Voith GmbH & Co. KGaA in Germany, a global technology company with more than EUR 4 billion in annual sales and over 19,000 employees. Before joining Voith in October 2016 as Chief Financial Officer, Dr. Haag served for more than 11 years as CFO and Member of the Executive Committee of Lonza Group AG. He began his career in 1994 as the personal assistant to the CEO of Thyssen Handelsunion AG after earning a degree in Business Administration from the University of Augsburg and a Ph.D. at the University of Kiel

Prof. Dr. Ross L. Levine
Supervisory Director

Joined the Supervisory Board and its Science and Technology Committee in 2016. He is a physician-scientist focused on researching and treating blood and bone marrow cancers. He currently serves as the Laurence Joseph Dineen Chair in Leukemia Research, the Chief of Molecular Cancer Medicine, and an Attending Physician at Memorial Sloan Kettering Cancer Center, as well as Professor of Medicine at Weill Cornell Medical College. He leads a research lab investigating genetics and targeted therapies in myeloid malignancies and is interested in application of next-generation sequencing technology in the practice of medicine in hematologic cancers. He trained in internal medicine at Massachusetts General Hospital and in hematology-oncology at the Dana-Farber Cancer Institute, earning board certification in these specialties. He received his M.D. from the Johns Hopkins University School of Medicine and his A.B. degree from Harvard College.

Supervisory Board

Prof. Dr. Elaine Mardis
Supervisory Director

Joined the Supervisory Board in 2014. She is a member of the Science and Technology Committee and the Compensation and Human Resources Committee. Prof. Dr. Mardis is the Co-Executive Director of the Institute for Genomic Medicine at Nationwide Children's Hospital in Columbus, Ohio. She is a Professor of Pediatrics at the Ohio State University College of Medicine with research interests in the application of genomic technologies to improving the understanding of human disease and toward improving the precision of medical diagnosis, prognosis and treatment. She serves the U.S. government as a scientific advisor to the Veteran's Administration for the Million Veterans Program. Prof. Dr. Mardis received her Bachelor of Science degree in Zoology in 1984 and her Ph.D. in Chemistry and Biochemistry in 1989, both from the University of Oklahoma. She is an elected member of the U.S. National Academy of Medicine

Elisabeth E. Tallett
Supervisory Director

Joined the Supervisory Board, as well as the Audit Committee and Compensation Committee, in 2011. She is currently a member of the Nomination & ESG Committee and the Audit Committee. Since 2016, she has served as Chair of the Compensation and Human Resources Committee. She was a Principal of Hunter Partners, LLC, a management company for early to mid-stage pharmaceutical, biotechnology and medical device companies, from 2002 to 2015. She graduated from Nottingham University, England, with dual Bachelor's degrees with honors in Mathematics and Economics. She is a member of the board of directors of Anthem, Inc. (where she is currently Chair). She was a founding board member of the Biotechnology Council of New Jersey and is a Trustee of Solebury School in Pennsylvania.

Scientific Advisory Board

Chair

Prof. Dr. Ross Levine

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed p

Vice Chair

Dr. Metin Colpan

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed p

Members

Dr. Peter Kaspar

Leadership positions at Roche Diagnostics and bioMérieux during career in diagnostics, Life Sciences and pharmaceuticals

Prof. Patrice Nordmann

Chair of the Medical and Molecular Microbiology Department and other roles at University of Fribourg, Switzerland

Dr. Neville Sanjana

Core Faculty Member at the New York Genome Center and Assistant Professor at New York University

Dr. Sarah Teichmann

Head of cellular genetics at the Wellcome Sanger Institute and director of research at Cavendish Laboratory, University of Cambridge

Ensuring QIAGEN remains at the cutting edge in the Life Sciences and Molecular Diagnostics

Q1 2022 results

Exceeded outlook with strong performance across non-COVID and COVID product groups

Forward looking and intended use statements

Safe Harbor Statement: This presentation contains both historical and forward-looking statements. All statements other than statements of historical fact are, or may be, deemed to be forward looking statements within the meaning of Section 27A of the U.S. Securities Act of 1933, as amended, and Section 21E of the U.S. Securities Exchange Act of 1934, as amended. To the extent that any of the statements contained herein relating to QIAGEN's products, launches, regulatory submissions, collaborations, markets, strategy, taxes or operating results, including without limitation its expected net sales, net sales of particular products (including anticipated sales of the portfolio of products used in the response to the COVID-19 pandemic, its QFT-Plus test for latent TB, its portfolio of next generation sequencing solutions as well as Sample technologies, NeuMoDx, QIAcuity digital PCR, and QIAstat-Dx and QuantiFERON), net sales in particular geographies, adjusted net sales, adjusted diluted earnings per share results, product launches (including anticipated launches of next generation sequencing solutions, the QIAstat-Dx syndromic testing platform, a gastrointestinal panel in the U.S., and a CE-IVD marked panel for meningitis for the QIAstat-Dx syndromic testing platform, along with the QuantiFERON-based tests for tuberculosis and Lyme disease), placements of QIAsymphony modular PCR instruments, improvements in operating and financial leverage, currency movements against the U.S. dollar, plans for investment in our portfolio and share repurchase commitments, our ability to grow adjusted earnings per share at a greater rate than sales, our ability to improve operating efficiencies and maintain disciplined capital allocation, are forward-looking, such statements are based on current expectations and assumptions that involve a number of uncertainties and risks. Such uncertainties and risks include, but are not limited to, risks associated with management of growth and international operations (including the effects of currency fluctuations, regulatory processes and dependence on logistics); variability of operating results and allocations between customer classes; the commercial development of markets for our products to customers in academia, pharma, applied testing and molecular diagnostics; changing relationships with customers, suppliers and strategic partners; competition; rapid or unexpected changes in technologies; fluctuations in demand for QIAGEN's products (including fluctuations due to general economic conditions, the level and timing of customers' funding, budgets and other factors); our ability to obtain regulatory approval of our products; difficulties in successfully adapting QIAGEN's products to integrated solutions and producing such products; the ability of QIAGEN to identify and develop new products and to differentiate and protect our products from competitors' products; market acceptance of QIAGEN's new products and the integration of acquired technologies and businesses; actions of governments, global or regional economic developments, weather or transportation delays, natural disasters, political or public health crises, including the breadth and duration of the COVID-19 pandemic and its impact on the demand for our products and other aspects of our business, or other force majeure events; and the other factors discussed under the heading “Risk Factors” contained in Item 3 of our most recent Annual Report on Form 20-F. For further information, please refer to the discussions in reports that QIAGEN has filed with, or furnished to, the U.S. Securities and Exchange Commission (SEC).

Regulation G: QIAGEN reports adjusted results, as well as results on a constant exchange rate (CER) basis, and other non-U.S. GAAP figures (generally accepted accounting principles), to provide additional insight on performance. In this presentation, adjusted results include adjusted net sales, adjusted gross income, adjusted net income, adjusted gross profit, adjusted operating expenses, adjusted operating income, adjusted operating margin, adjusted net income before taxes, adjusted income tax, adjusted tax rate, adjusted EBITDA, adjusted EPS, adjusted diluted EPS and free cash flow. Adjusted results are non-GAAP financial measures QIAGEN believes should be considered in addition to reported results prepared in accordance with GAAP but should not be considered as a substitute. QIAGEN believes certain items should be excluded from adjusted results when they are outside of its ongoing core operations, vary significantly from period to period, or affect the comparability of results with its competitors and its own prior periods. Please see the Appendix provided in this presentation “Reconciliation of Non-GAAP to GAAP Measures” for reconciliations of historical non-GAAP measures to comparable GAAP measures and the definitions of terms used in the presentation. QIAGEN does not reconcile forward-looking non-GAAP financial measures to the corresponding GAAP measures due to the high variability and difficulty in making accurate forecasts and projections that are impacted by future decisions and actions. Accordingly, reconciliations of these forward-looking non-GAAP financial measures to the corresponding GAAP measures are not available without unreasonable effort. However, the actual amounts of these excluded items will have a significant impact on QIAGEN’s GAAP results.

Q1 2022: Strong focus on delivering and exceeding targets

Net sales (CER)

Q1 2022: +15% vs. ≥ 7% outlook

+14% non-COVID products

+18% COVID products

Adjusted EPS (CER)

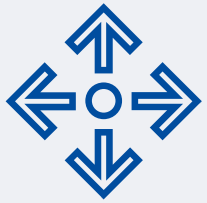
Q1 2022: $0.83 vs. ≥ $0.72 outlook

CER - Constant Exchange Rates.
Refer to appendix for reconciliation of reported to adjusted figures.

Q1 2022: Execution of strategy driving sustainable growth

High-performing core business

+14% CER growth in non-COVID product groups, from 5 pillars of growth to core business



Expanding portfolio value

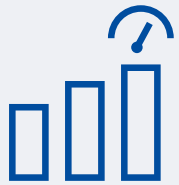
Record Q1 2022 instruments placements accelerate installed base growth

Executing on menu expansion for QIAstat-Dx and QIAcuity

Dynamic operating cash flow

Operating cash flow +61% to $207 million while investing in business

Free cash flow +116% to $178 million



2022 outlook updated for strong Q1

Sales: ≥$2.12 billion CER

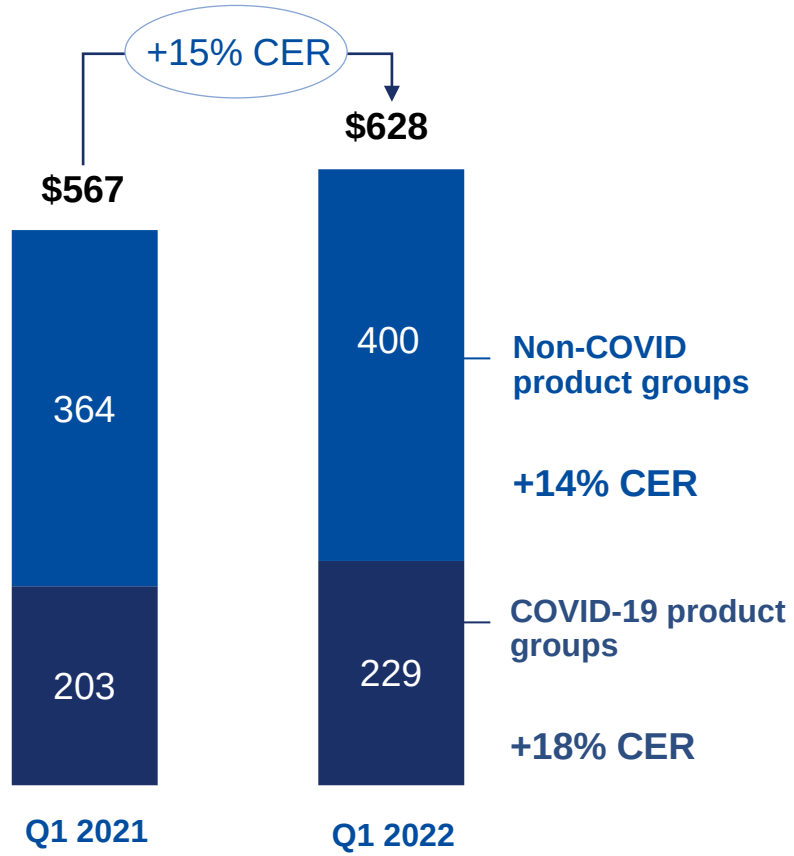
Reaffirming double-digit CER growth in non-COVID products

Adj. EPS: ≥$2.14 CER

Q1 2022: Solid non-COVID sales in all product groups

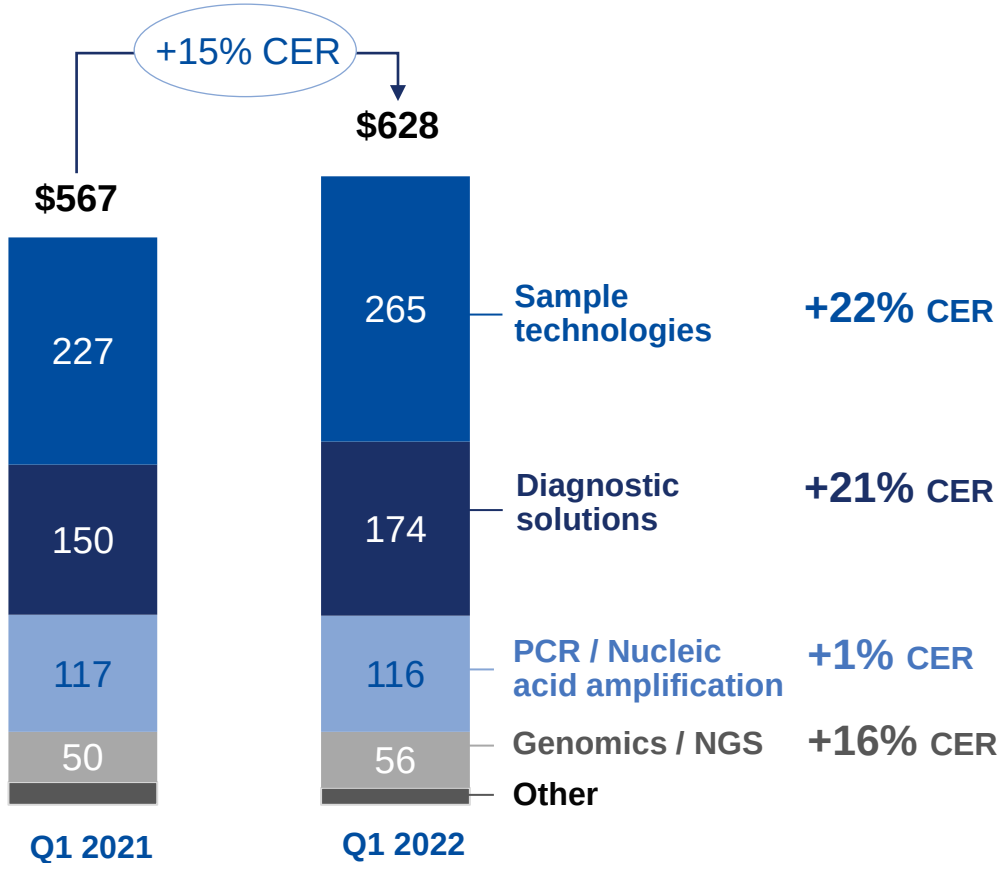
Non-COVID / COVID split

(In $ millions at actual rates)



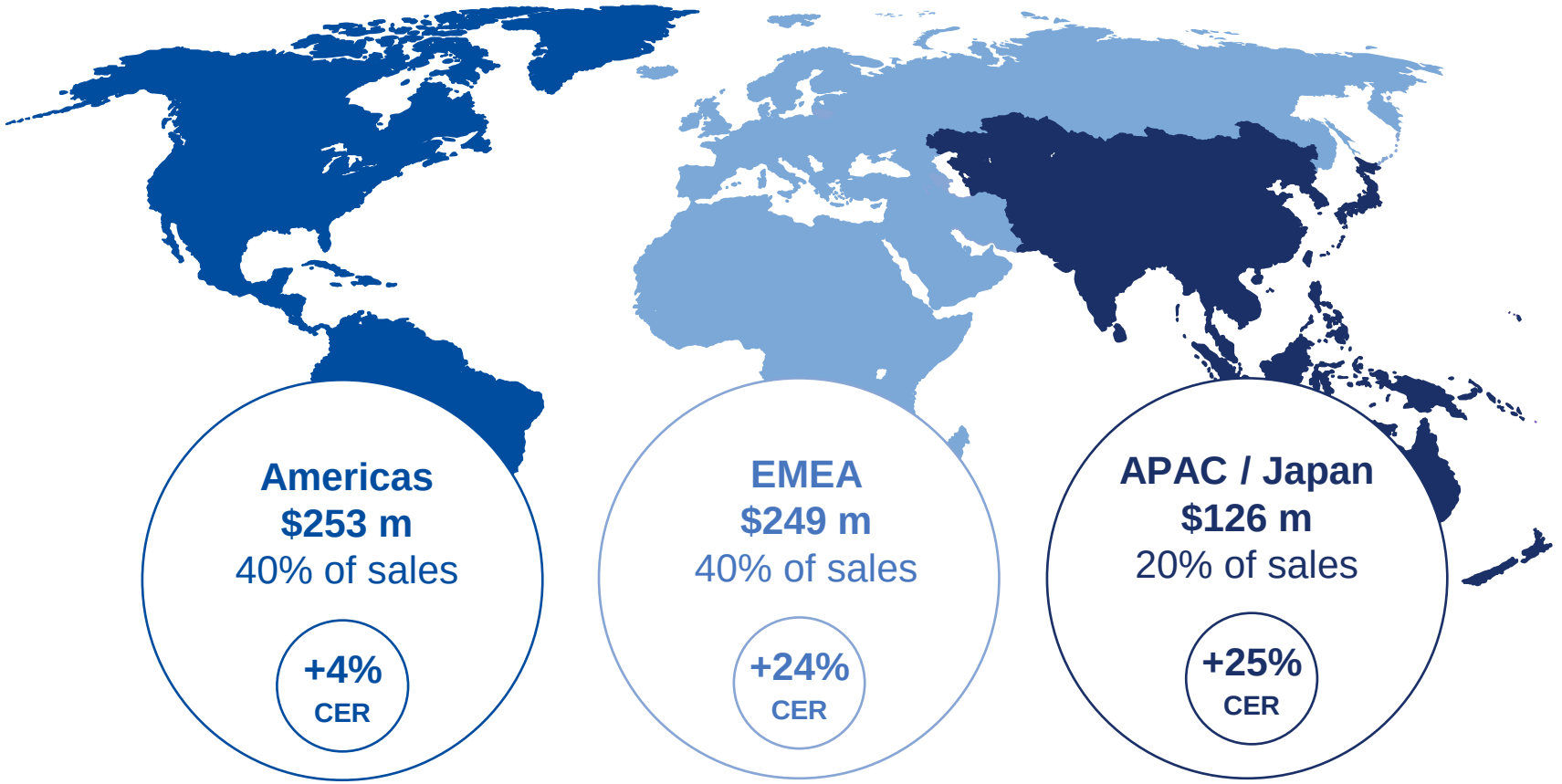
By product group

(In $ millions at actual rates)



Growth rates vs. Q1 2021 at CER. | Refer to appendix for growth at actual rates. | Tables may contain rounding differences.

Q1 2022: EMEA and APAC leading sales growth



Americas

- U.S. and Brazil: Delivered single-digit CER growth

Europe / Middle East / Africa

- Germany, Spain and Netherlands: Solid double-digit CER gains
- UK: Single-digit growth

Asia-Pacific / Japan

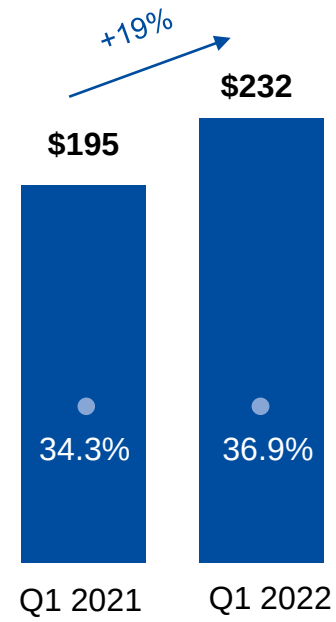
- China: >+10% CER growth
- Australia: Strong sales
- India and South Korea: Double-digit CER gains

Growth rates vs. Q1 2021 at CER. | Refer to appendix for growth at actual rates.

Q1 2022: Strong profitability and free cash flow

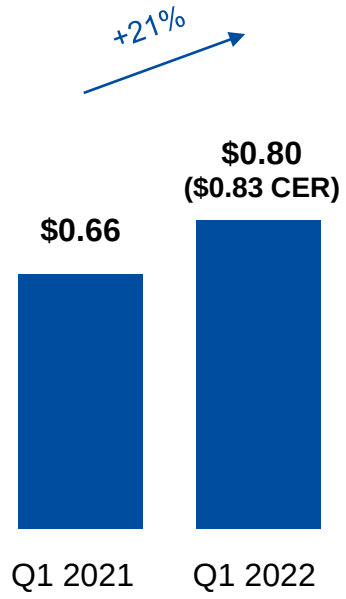
Adj. operating income

(In $ millions)



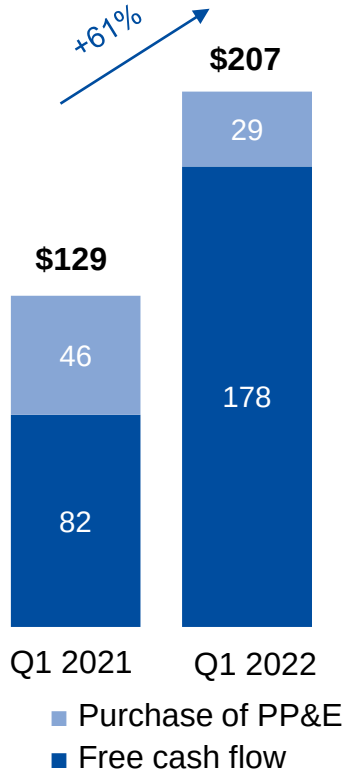
Adj. EPS

(In $ per share)



Operating cash flow

(In $ millions)



Targeted investments into key drivers

~65% of R&D spending focused on five pillars of growth

Disciplined cost base

Lower operating expenses as a percentage of sales compared to the year-ago period

Solid cash flow performance

Strong operating cash flow trends in Q1 2022 while maintaining healthy leverage profile

Refer to appendix for reconciliation of reported to adjusted figures.
PP&E – property, plant & equipment

Five pillars: QIAcuity digital PCR continuing to expand applications

QIAcuity dPCR differentiation

Easier
Fully automated workflow in one compact instrument

Faster
Over twice as fast as droplet digital PCR; results in under 2 hours

More versatile
Scalable throughput and higher multiplexing capability

QIAcuity One | QIAcuity Four | QIAcuity Eight

Highlighted applications

Cancer research NEW

New automated workflow combining EZ2 Connect and QIAcuity creates powerful Sample to Insight solution for liquid biopsy and FFPE samples

Cell and gene therapy NEW

New application note from National Resilience Inc. demonstrates use of QIAcuity workflow for an automated, high-throughput method to determine viral genome titers

Microbial detection NEW

New QIAGEN dPCR Microbial DNA Detection Assays deliver specificity and sensitivity of QIAcuity in a fast and simple workflow

Wastewater testing

70% of U.S. states using QIAcuity for wastewater detection of SARS-CoV-2

Partnership with GT Molecular for complete wastewater testing workflow

Proteomics

Partnership with Actome for development of protein quantification assays coupled with genomic analysis

Five pillars: QIAstat-Dx menu driving installed base expansion

Customer highlight

Lancet Laboratories in Johannesburg, South Africa

QIAstat-Dx allows them to handle more samples locally and immediately without batching or sending them to the main Johannesburg lab

- First lab to detect Omicron COVID-19 variant in November 2021
- Using QIAstat-Dx gastrointestinal and respiratory panels

"Syndromic testing is really important because multiple different bacteria and viruses might cause exactly the same symptoms. From an infection-control point of view, and a treatment point of view, it's really important to know what is causing the infection.

"The respiratory virus panel and gastrointestinal panel have been two of our most relied-on syndromic testing panels."

- Dr. Allison Glass, Clinical virologist, Lancet Laboratories

PATHOLOGISTS
LANCET
LABORATORIES
Key to Diagnostic Excellence

Core portfolios: Genomics - adding value to NGS solutions through key partnerships

New partnerships

Element Biosciences

Validation of QIAGEN products on the Element AVITI Sequencer

Workflow including QIAGEN's sample preparation, QIAseq NGS consumables and custom-made assays leveraging industry-leading QDI bioinformatics solutions

NHS England

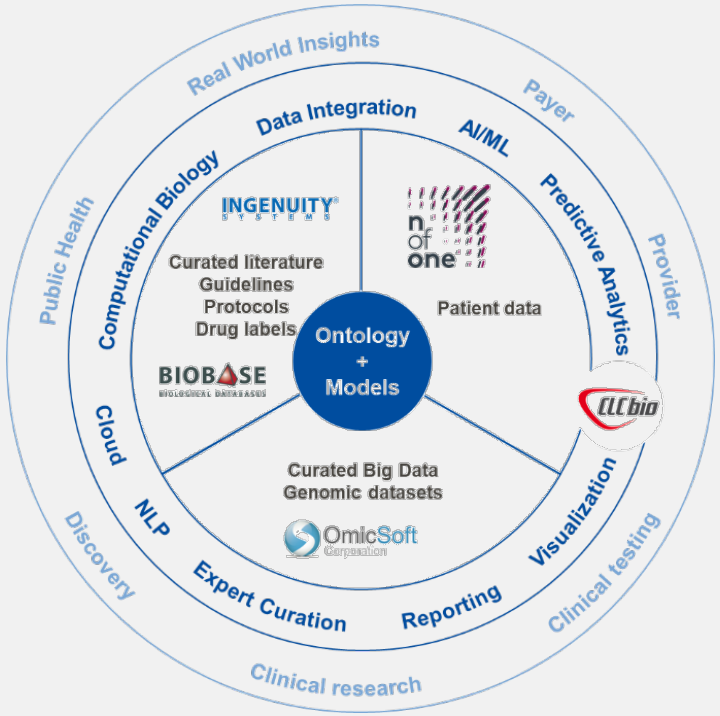
Two-year licensing agreement for QIAGEN Digital Insights

Use of HGMD Online Professional to support scientists and clinicians with clinical reporting and interpretation of genomic data across network of NHS Laboratory Hubs

QDI – QIAGEN Digital Insights

2022 milestone

>2.5 million clinical cases analyzed and interpreted using QIAGEN Digital Insights



Outlook: Q2 and FY 2022

	Q2 2022 outlook	FY 2022 outlook
Net sales Anticipated currency impact	**≥ $510 million CER** Adverse FX impact of ~ -4-5 p.p *(Prior year: $567.2 m)*	**≥ $2.12 billion CER** Adverse FX impact of ~ -4 p.p. *(Prior year: $2,251.7 m)*
Non-COVID product groups		Double-digit CER growth
Adjusted EPS Anticipated currency impact	**≥ $0.46 CER** Adverse FX impact of ~ -$0.02-0.03 *(Prior year: $0.67)*	**≥ $2.14 CER** Adverse FX impact of ~ -$0.08-0.09 *(Prior year: $2.65)*
Adjusted tax rate	**~17-18%**	**~17-18%**
Shares outstanding(1)	**~230 million**	**~230 million**

Outlook as of April 26, 2022, see appendix for additional information | CER - Constant Exchange Rates | 1) Based on $50.00 share price

Appendix

Q2 and FY 2022: Outlook and assumptions

(As of April 26, 2022)	Q2 2022 outlook	FY 2022 outlook
Net sales	**≥ $510 million CER** *(Prior year: $567.2 m)*	**≥ $2.12 billion CER** *(Prior year: $2,251.7 m)*
Anticipated currency impact(1)	Adverse impact of ~ -4-5 p.p.	Adverse impact of ~ -4 p.p.
Adjusted EPS(2)	**≥ $0.46 CER** *(Prior year: $0.67)*	**≥ $2.14 CER** *(Prior year: $2.65)*
Anticipated currency impact(1)	Adverse impact of ~ -$0.02-0.03	Adverse impact of ~ -$0.08-0.09
Adjustments to operating income (In $ millions):		
Business integration and acquisition-related items	~$5 m	~$18 m
Restructuring-related items	~$0 m	~$0 m
Amortization of acquired intellectual property	~$18 m	~$75 m
Non-cash interest expense charges	~$8 m	~$34 m
Adjusted tax rate (In %)	**~17-18%**	**~17-18%**
Weighted average number of diluted shares outstanding (Based on $50.00 share price)	**~230 million**	**~230 million**

1) Based on exchange rates as of April 25, 2022

2) QIAGEN reports adjusted results, as well as results on a constant exchange rate (CER) basis, and other non-U.S. GAAP figures to provide additional insight into its performance. These results include adjusted gross profit, adjusted operating income, adjusted net income attributable to owners of QIAGEN N.V. and adjusted diluted EPS. Adjusted results are non-GAAP financial measures that QIAGEN believes should be considered in addition to reported results prepared in accordance with GAAP but should not be considered as a substitute. QIAGEN believes certain items should be excluded from adjusted results when they are outside of ongoing core operations, vary significantly from period to period, or affect the comparability of results with competitors and its own prior periods. Furthermore, QIAGEN uses non-GAAP and constant currency financial measures internally in planning, forecasting and reporting, as well as to measure and compensate employees. QIAGEN also uses adjusted results when comparing current performance to historical operating results, which have consistently been presented on an adjusted basis.

3) Every $1.00 change from $50.00 in market price per share of QIAGEN stock results in a ~300,000-350,000 increase / decrease in dilutive shares due to the call-spread overlay (CSO). The CSO is dilutive above $48.29 for the 2023 convertible notes and above $49.20 for the 2024 convertible notes.

Q1 2022: Consolidated Statements of Income (unaudited)

(In $ thousands, except share data)	Three months ended March 31, 2022	Three months ended March 31, 2021
Net sales	**628,391**	**567,206**
Cost of sales:		
Cost of sales	198,118	178,974
Acquisition-related intangible amortization	15,303	17,641
Total cost of sales	**213,421**	**196,615**
Gross profit	**414,970**	**370,591**
Operating expenses:		
Research and development	46,376	47,433
Sales and marketing	118,504	113,760
General and administrative	34,350	33,803
Acquisition-related intangible amortization	2,917	5,408
Restructuring, acquisition, integration and other, net	5,752	6,389
Total operating expenses	**207,899**	**206,793**
Income from operations	**207,071**	**163,798**
Adjusted income from operations	*231,626*	*194,695*
Other income (expense):		
Interest income	2,222	1,618
Interest expense	(13,536)	(13,538)
Other expense (income), net	(235)	7,222
Total other expense, net	**(11,549)**	**(4,698)**
Income before income taxes	**195,522**	**159,100**
Adjusted income before income taxes	*228,121*	*190,859*
Income taxes	**40,210**	**29,877**
Adjusted income tax	*43,754*	*37,061*
Net income	**155,312**	**129,223**
Adjusted net income	*184,367*	*153,798*
Diluted net income per common share	**$0.67**	**$0.56**
Adjusted diluted net income per common share	*$0.80*	*$0.66*
Diluted shares used in computing diluted net income per common share (in thousands)	**230,164**	**232,309**

2022: Quarterly sales by product group

(In $ millions at actual rates / change in actual, CER rates)	Q1 2022			Q2 2022			Q3 2022			Q4 2022			FY 2022		
	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER
Sample technologies	265	17%	22%												
Diagnostic solutions[1]	174	16%	21%												
Of which QuantiFERON	*78*	*38%*	*41%*												
Of which QIAstat-Dx	*27*	*25%*	*31%*												
Of which NeuMoDx	*27*	*-15%*	*-11%*												
Of which Other	*42*	*7%*	*13%*												
PCR / Nucleic acid amplification	116	-1%	1%												
Genomics / NGS	56	11%	16%												
Other	17	-27%	-16%												
Total	**628**	**11%**	**15%**												

1) Companion diagnostic co-development sales in 2022 (Q1: $9 million, 27%, 26% CER).

Tables may contain rounding differences. Percentage changes are to prior-year periods.

2021: Quarterly sales by product group

(In $ millions at actual rates / change in actual, CER rates)	Q1 2021			Q2 2021			Q3 2021			Q4 2021			FY 2021		
	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER
Sample technologies	227	47%	42%	203	1%	-3%	202	-5%	-6%	218	-7%	-5%	851	6%	4%
Diagnostic solutions[1]	150	56%	52%	154	76%	71%	162	37%	35%	173	9%	11%	639	39%	37%
Of which QuantiFERON	*57*	*25%*	*22%*	*72*	*114%*	*109%*	*79*	*49%*	*48%*	*74*	*27%*	*29%*	*281*	*48%*	*47%*
Of which QIAstat-Dx	*22*	*229%*	*218%*	*16*	*9%*	*4%*	*15*	*2%*	*2%*	*23*	*26%*	*29%*	*75*	*39%*	*38%*
Of which NeuMoDx	*32*	*NM*	*NM*	*22*	*226%*	*209%*	*23*	*139%*	*136%*	*27*	*-22%*	*-20%*	*105*	*94%*	*90%*
Of which Other	*39*	*-4%*	*-6%*	*45*	*37%*	*33%*	*44*	*9%*	*7%*	*49*	*2%*	*4%*	*178*	*9%*	*8%*
PCR / Nucleic acid amplification	117	90%	84%	109	11%	8%	98	3%	2%	110	2%	3%	434	19%	18%
Genomics / NGS	50	21%	17%	80	115%	110%	53	44%	44%	62	25%	28%	245	48%	47%
Other	23	23%	21%	22	7%	5%	19	1%	2%	19	3%	11%	83	9%	10%
Total	**567**	**52%**	**48%**	**567**	**28%**	**24%**	**535**	**11%**	**10%**	**582**	**2%**	**4%**	**2,252**	**20%**	**19%**

1) Companion diagnostic co-development sales in 2021 (Q1: $7 million, 9%, 11% CER; Q2: $10 million, 33%, 31% CER; Q3: $10 million, 23%. 20% CER ; Q4: $12 million, 32%, 30% CER; FY: $39 million, 25%, 24% CER).
Tables may contain rounding differences. Percentage changes are to prior-year periods. NM – Not meaningful

2022: Sales by non-COVID and COVID-19 product groups

(In $ millions at actual rates / change in actual, CER rates)	Q1 2022			Q2 2022			Q3 2022			Q4 2022			FY 2022		
	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER
Non-COVID product groups	400	10%	14%												
COVID-19 product groups	229	13%	18%												
Total	**628**	**11%**	**15%**												

Tables may contain rounding differences. | Percentage changes are to prior-year periods.

2021: Sales by non-COVID and COVID-19 product groups

(In $ millions at actual rates / change in actual, CER rates)	Q1 2021			Q2 2021			Q3 2021			Q4 2021			FY 2021		
	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER
Non-COVID product groups	364	20%	16%	408	57%	52%	376	18%	17%	400	8%	10%	1,547	24%	22%
COVID-19 product groups	203	194%	186%	160	-13%	-17%	159	-3%	-4%	183	-9%	-7%	704	14%	13%
Total	**567**	**52%**	**48%**	**567**	**28%**	**24%**	**535**	**11%**	**10%**	**582**	**2%**	**4%**	**2,252**	**20%**	**19%**

Tables may contain rounding differences. | Percentage changes are to prior-year periods.

2022: Quarterly sales by product type, customer class and region

(In $ millions at actual rates / change in actual, CER rates)	Q1 2022			Q2 2022			Q3 2022			Q4 2022			FY 2022		
	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER
Product type															
Consumables and related revenues	561	13%	17%												
Instruments	67	-2%	2%												
Customer class															
Molecular Diagnostics	357	28%	35%												
Life Sciences	272	-6%	-3%												
Geographic region[1]															
Americas	253	4%	4%												
Europe / Middle East / Africa	249	14%	24%												
Asia-Pacific / Japan	126	21%	25%												
Total	**628**	**11%**	**15%**												

1) Rest of World contributed less than 1% of net sales in Q1 2022. | Tables may contain rounding differences

2021: Quarterly sales by product type, customer class and region

(In $ millions at actual rates / change in actual, CER rates)	Q1 2021			Q2 2021			Q3 2021			Q4 2021			FY 2021		
	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER	Sales	Act.	CER
Product type															
Consumables and related revenues	498	53%	48%	498	33%	28%	473	13%	12%	517	5%	7%	1,986	23%	21%
Instruments	69	49%	43%	69	2%	-3%	62	-3%	-4%	65	-16%	-14%	265	4%	2%
Customer class															
Molecular Diagnostics	279	59%	54%	272	33%	28%	279	18%	17%	313	9%	12%	1,144	27%	25%
Life Sciences	288	47%	42%	296	24%	20%	256	4%	3%	269	-5%	-4%	1,108	15%	13%
Geographic region[1]															
Americas	244	41%	41%	257	45%	44%	248	9%	9%	259	5%	5%	1,007	22%	22%
Europe / Middle East / Africa	219	70%	60%	202	23%	15%	174	6%	6%	219	-3%	2%	814	19%	17%
Asia-Pacific / Japan	104	51%	44%	109	10%	4%	112	22%	20%	104	6%	7%	429	20%	17%
Total	**567**	**52%**	**48%**	**567**	**28%**	**24%**	**535**	**11%**	**10%**	**582**	**2%**	**4%**	**2,252**	**20%**	**19%**

1) Rest of World contributed less than 1% of net sales in Q1, Q2, Q3, Q4 and FY 2021. | Tables may contain rounding differences

Q1 2022: Reconciliation adjusted results (unaudited)

(In $ millions, except EPS)	Net sales	Gross profit	Operating income	Pretax income	Income tax	Tax rate	Net income	Diluted EPS
First quarter 2022								
Reported results	628.4	415.0	207.1	195.5	(40.2)	21%	155.3	0.67
Adjustments								
Business integration, acquisition and restructuring-related items (a)		0.6	6.3	6.5	(1.7)		4.8	0.02
Purchased intangibles amortization (b)		15.3	18.3	18.2	(4.5)		13.7	0.06
Non-cash interest expense charges (c)				7.9			7.9	0.04
Non-cash other income, net (d)				0.0			0.0	0.00
Certain income tax items (e)					2.6		2.6	0.01
Total adjustments		15.9	24.5	32.6	(3.6)		29.1	0.13
Adjusted results	**628.4**	**430.9**	**231.6**	**228.1**	**(43.8)**	**19%**	**184.4**	**0.80**

Please see footnotes for these tables on the following page.
Weighted number of diluted shares (Q1 2022: 230.2 million)

Q1 2022: Footnotes for reconciliation adjusted results (unaudited)

a) Results for 2022 include costs for acquisition projects, including continued integration activities at NeuMoDx, as well as costs and impairments related to our business in Russia.

b) The decrease reflects the full amortization during 2021 of assets previously acquired.

c) Cash Convertible Notes were recorded at an original issue discount that is recognized as incremental non-cash interest expense over the expected life of the notes.

d) Adjustment for the net impact of changes in fair value of the Call Options and the Embedded Cash Conversion Options related to the Cash Convertible Notes.

e) Includes the impact of the estimated annual effective tax rate applied to the pretax amount in order to calculate the non-GAAP provision for income taxes. Additionally, certain income tax items were excluded from adjusted results since these represent updates in QIAGEN's assessment of ongoing examinations or other tax items that are not indicative of the Company's normal or future income tax expense. QIAGEN does not believe the impact of these events reflects the performance of ongoing operations for the periods in which the impact of such events were recorded.

Tables may contain rounding differences.

2022: Quarterly and full-year income statement summary

(In $ millions, unless indicated) (Diluted EPS in $ per share)	Q1 2022	Q2 2022	Q3 2022	Q4 2022	FY 2022
Net sales	628.4				
Net sales (CER)	654.1				
Gross profit	415.0				
Gross profit margin	*66.0%*				
Adjusted gross profit	430.9				
Adjusted gross profit margin	*68.6%*				
Operating income	207.1				
Operating margin	*33.0%*				
Adjusted operating income	231.6				
Adjusted operating margin	*36.9%*				
Tax rate	21%				
Adjusted tax rate	19%				
Net income	155.3				
Adjusted net income	184.4				
Diluted EPS	0.67				
Adjusted diluted EPS (CER) ($ per share)	0.80 (0.83)				
Diluted shares outstanding for EPS calculation	230.2				

CER - Constant exchange rates | Table may have rounding differences. | Refer to accompanying tables for reconciliation of reported to adjusted figures.

2021: Quarterly and full-year income statement summary

(In $ millions, unless indicated) (Diluted EPS in $ per share)	Q1 2021	Q2 2021	Q3 2021	Q4 2021	FY 2021
Net sales	567.2	567.3	534.7	582.4	2,251.7
Gross profit	370.6	369.2	337.2	373.8	1,450.8
Gross profit margin	*65.3%*	*65.1%*	*63.1%*	*64.2%*	*64.4%*
Adjusted gross profit	389.7	389.9	356.1	393.7	1,529.4
Adjusted gross profit margin	*68.7%*	*68.7%*	*66.6%*	*67.6%*	*67.9%*
Operating income	163.8	161.3	131.9	173.1	630.1
Operating margin	*28.9%*	*28.4%*	*24.7%*	*29.7%*	*28.0%*
Adjusted operating income	194.7	196.4	164.6	199.3	755.0
Adjusted operating margin	*34.3%*	*34.6%*	*30.8%*	*34.2%*	*33.5%*
Tax rate	19%	19%	12%	22%	18%
Adjusted tax rate	19%	19%	17%	14%	18%
Net income	129.2	121.1	133.1	129.2	512.6
Adjusted net income	153.8	154.7	134.6	171.0	614.1
Diluted EPS	0.56	0.52	0.57	0.56	2.21
Adjusted diluted EPS (CER) ($ per share)	0.66 (0.65)	0.67 (0.66)	0.58 (0.58)	0.74 (0.75)	2.65 (2.63)
Diluted shares outstanding for EPS calculation	232.3	231.9	232.1	231.8	232.0

CER - Constant exchange rates | Table may have rounding differences. | Refer to accompanying tables for reconciliation of reported to adjusted figures.

Consolidated Balance Sheets

(In $ thousands, except par value)	March 31, 2022	December 31, 2021
Assets	(unaudited)	
Cash and cash equivalents	770,515	880,516
Short-term investments	459,285	184,785
Accounts receivable, net	372,383	362,131
Inventories, net	321,621	327,525
Prepaid expenses and other current assets	173,447	354,645
Total current assets	**2,097,151**	**2,109,602**
Property, plant and equipment, net	638,228	638,183
Goodwill	2,346,740	2,350,763
Intangible assets, net	607,738	627,436
Fair value of derivative instruments	271,052	190,430
Other long-term assets	150,946	157,644
Deferred income taxes	72,330	72,896
Total long-term assets	**4,087,031**	**4,037,352**
Total assets	**6,184,282**	**6,146,954**

(In $ thousands, except par value)	March 31, 2022	December 31, 2021
Liabilities and Equity	(unaudited)	
Current portion of long-term debt	468,792	847,626
Accrued and other current liabilities	401,479	568,620
Accounts payable	87,012	101,224
Total current liabilities	**957,283**	**1,517,470**
Long-term debt	1,474,902	1,094,144
Fair value of derivative instruments	274,225	191,879
Other long-term liabilities	200,813	209,320
Deferred income taxes	36,921	37,591
Total long-term liabilities	**1,986,861**	**1,532,934**
Common shares, EUR 0.01 par value: Authorized – 410,000 shares Issued – 230,829 shares	2,702	2,702
Additional paid-in capital	1,830,591	1,818,508
Retained earnings	1,913,660	1,791,740
Accumulated other comprehensive loss	(333,822)	(326,670)
Less treasury shares at cost – 3,377 shares (2022) and 3,755 shares (2021)	(172,993)	(189,730)
Total equity	**3,240,138**	**3,096,550**
Total liabilities and equity	**6,184,282**	**6,146,954**
Balance Sheet data and metrics		
Group liquidity[1]	1,229,800	1,065,301
Net debt[2]	713,894	876,469
Leverage ratio[3]	0.7x	0.9x

(1) Group liquidity includes cash, cash equivalents and short-term investments.
(2) Net debt is equal to total outstanding long-term debt minus group liquidity.
(3) Leverage ratio is calculated on trailing four quarters as net debt / adjusted EBITDA.

Consolidated Statements of Cash Flows (unaudited)

Three months ended (In $ thousands)	March 31, 2022	March 31, 2021
Cash flows from operating activities:		
Net income	155,312	129,223
Adjustments to reconcile net income to net cash provided by operating activities, net of effects of businesses acquired:		
Depreciation and amortization	52,998	55,587
Share-based compensation	12,083	9,688
Amortization of debt discount and issuance costs	8,289	7,936
Deferred income taxes	615	(28,396)
Other items, net including fair value changes in derivatives	1,488	(5,590)
Change in operating assets	(18,928)	(42,509)
Change in operating liabilities	(4,447)	2,688
Net cash provided by operating activities	**207,410**	**128,627**
Cash flows from investing activities:		
Purchases of property, plant and equipment	(29,334)	(46,339)
Purchases of intangible assets	(9,081)	(8,620)
Purchases of investments	(1,000)	(42)
Purchases of short-term investments	(396,315)	(1,802)
Proceeds from sales of short-term investments	119,878	117,871
Cash received for collateral asset	9,600	44,890
Other investing activities	–	17
Net cash (used in) provided by investing activities	**(306,252)**	**105,975**

Three months ended (In $ thousands)	March 31, 2022	March 31, 2021
Cash flows from financing activities:		
Repayment of long-term debt	–	(41,345)
Proceeds from issuance of common shares	29	2,510
Tax withholdings related to vesting of stock awards	(7,702)	(62)
Cash paid for contingent consideration	(4,572)	–
Other financing activities	1,587	(1,955)
Net cash used in financing activities	**(10,658)**	**(40,852)**
Effect of exchange rate changes on cash and cash equivalents	(501)	(3,948)
Net (decrease) increase in cash and cash equivalents	**(110,001)**	**189,802**
Cash and cash equivalents, beginning of period	880,516	597,984
Cash and cash equivalents, end of period	**770,515**	**787,786**
Reconciliation of Free Cash Flow[1]		
Net cash provided by operating activities	207,410	128,627
Purchases of property, plant and equipment	(29,334)	(46,339)
Free Cash Flow	**178,076**	**82,288**

(1) Free cash flow is a non-GAAP financial measure and is calculated from cash provided by operations reduced by purchases of property, plant and equipment. QIAGEN believes this is a common financial measure useful to further evaluate the results of operations.

Q1 2022: Currency impact

	Net sales (In $ millions / Actual)	Net sales (CER)	Currency exposure (As % of CER sales)	Change (In $ millions)
Q1 2022				
U.S. dollar	286.2	286.2	44%	0.0
Euro	166.4	178.7	27%	12.3
British pound	22.8	23.4	4%	0.6
Japanese yen	17.5	19.1	3%	1.7
Other currencies	135.5	146.7	22%	11.1
Total net sales	**628.4**	**654.1**	**100%**	**25.7**

CER - Constant exchange rates | Table may have rounding differences.
Other currencies include CAD, DKK, TRY, SEK, CHF, AUD, BRL, CNY, MYR, SGD, KRW, HKD, MXN, INR, TWD, RUB, THB and ZAR

Employees as of March 31, 2022

	Americas	Europe / Middle East / Africa	Asia Pacific / Japan / ROW	Total Q1 2022	Total Q4 2021	Change
Production	416	1,241	155	1,812	1,818	0%
R&D	211	731	55	997	992	1%
Sales	578	864	812	2,254	2,237	1%
Marketing	77	191	68	336	351	-4%
Administration	79	393	159	631	630	0%
Total	**1,361**	**3,420**	**1,249**	**6,030**	**6,028**	**0%**

Your contacts

Phoebe Loh

Senior Director
Global Investor Relations

Phone: +49 2103 29 11457
Mobile: +49 152 018 11457

E-mail: phoebe.loh@qiagen.com

Alexandra Koenig

Coordinator
Investor Relations

Phone: +49 2103 29 11709
Mobile: +49 152 018 11709

E-mail: alexandra.koenig@qiagen.com

John Gilardi

Vice President
Corporate Communications and IR

Phone: +49 2103 29 11711
Mobile: +49 152 018 11711

E-mail: john.gilardi@qiagen.com

Calendar

Annual General Meeting	June 2022
Q2 2022 results	July 2022
Q3 2022 results	November 2022

Share information

NYSE:	QGEN
Frankfurt:	QIA
ISIN / CUSIP:	NL0012169213 / N72482 123
WKN:	A2DKCH

QGEN
LISTED
NYSE
DAX
TecDAX

E-mail:
ir@qiagen.com

Internet:
corporate.QIAGEN.com

www.linkedin.com/company/qiagen

twitter.com/QIAGEN

www.facebook.com/QIAGEN

www.youtube.com/user/QIAGENvideos