

COMMITTED TO SOLID PROFITABLE GROWTH

Capital Markets Day June 17, 2024







CAPITAL MARKETS DAY MICROSITE

Webcast, presentation, infographic and additional information to be found here.

Recording available after the event.

Photos and video recordings of participants will be taken during this event. These may be used for future publications and marketing by QIAGEN, including their website and social media channels.

For on-site participants:

Be aware that sitting in the front row may result in being captured in photos or videos, primarily focused on the presenters on stage. If you prefer not to be featured in these media, please notify our colleagues at the registration desk.

2024 QIAGEN CAPITAL MARKETS DAY AGENDA



12:00 – 12:10	Introduction	10	John Gilardi Vice President, Corporate Communications and Investor Relations
12:10 – 12:40	2028 strategy	30	Thierry Bernard Chief Executive Officer
12:40 – 13:00	Sample technologies and QIAcuity dPCR	20	Nitin Sood Senior Vice President, Life Sciences Business Area
13:00 – 13:20	QuantiFERON TB and QIAstat-Dx	20	Fernando Beils Senior Vice President, Molecular Diagnostics Business Area
13:20 – 13:35	Break	15	
13:35 – 13:55	QIAGEN Digital Insights	20	Jonathan Sheldon Senior Vice President, QIAGEN Digital Insights Business Area
13:55 – 14:15	2028 targets	20	Roland Sackers Chief Financial Officer
14:15 – 14:45	Q&A session	30	

TODAY'S PRESENTERS





Thierry Bernard

Chief Executive Officer

Thierry Bernard joined QIAGEN in 2015 to lead our growing presence in molecular diagnostics. He was named Chief Executive Officer in March 2020 after serving in this role on an interim basis, and became a member of the Managing Board in 2021.

Previously, Mr. Bernard held roles of increasing responsibility during 15 years with bioMérieux SA, most recently as Corporate Vice President, Global Commercial Operations, Investor Relations and the Greater China Region. He also held senior management roles in other leading international companies. He was named in March 2023 as Chair of the AdvaMedDx Board of Directors, a U.S. industry trade association.

Mr. Bernard has earned degrees and certifications from Sciences Po, LSE, the College of Europe, Harvard Business School, Centro de Comercio Exterior de Barcelona, and has been appointed Conseiller du Commerce Extérieur by the French government.



Roland Sackers

Chief Financial Officer

Roland Sackers has been Chief Financial Officer at QIAGEN since 2004 and a member of the Managing Board since 2006.

He previously was an auditor with Arthur Andersen Wirtschaftsprüfungsgesellschaft Steuerberatungsgesellschaft. Since 2019, Mr. Sackers has served on the Supervisory Board of Evotec SE, a publicly listed company based in Germany, becoming Chair of the Audit Committee in 2019 and Vice Chair of the Supervisory Board in 2021. He is also a member of the Board of the industry association BIO Deutschland.

Mr. Sackers earned his Diplom-Kaufmann from the University of Münster.

TODAY'S PRESENTERS





Nitin Sood

Senior Vice President, Life Sciences



Fernando Beils

Senior Vice President, Molecular Diagnostics



Jonathan Sheldon

Senior Vice President, QIAGEN Digital Insights

Nitin Sood joined QIAGEN in 2023 as Senior Vice President, Head of the Life Sciences Business Area, and member of the Executive Committee.

He most recently served as Chief Commercial Officer, MRD, at Adaptive Biotechnologies. He has enjoyed a 20-year career in the diagnostic and life science fields, having also held leadership roles at Guardant Health, PerkinElmer, Agilent Technologies and NuGEN Technologies.

He holds a Master's degree from Delhi University in Molecular Biology and a Master's degree from Ball State University in Computer Science.

Fernando Beils joined QIAGEN in 2023 as Senior Vice President, Head of the Molecular Diagnostics Business Area, and member of the Executive Committee.

He has worked in various global leadership roles within the diagnostics industry during his career, and most recently served as Vice President and General Manager of the Genetic Testing Solutions Business at Thermo Fisher Scientific. Prior to this role, he spent over two decades at Siemens in commercial, strategy and finance roles, and in his last role as Global Head of the Molecular Diagnostics Business Unit at Siemens Healthineers.

He earned a degree in Business Administration from EWA Madrid and the University Mosbach School of Business.

Dr. Jonathan Sheldon joined QIAGEN in 2018 as Senior Vice President, Head of the QIAGEN Digital Insights Business Area. He leads QIAGEN's growing presence in bioinformatics, enabling customers to transform raw data from biological samples into valuable molecular insights.

Dr. Sheldon came to QIAGEN from Oracle, where he was Global Vice President leading Oracle's Healthcare business globally in the Health Sciences Global Business Unit and served on the executive committee. Previously, he served as Head of Bioinformatics at Roche (UK) Pharmaceuticals, as well as in software firms serving the life science and healthcare sectors.

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.

Forward looking and intended use statements



Safe Harbor Statement: Certain statements contained in this presentation may be considered 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 can be identified by the use of forward-looking terminology such as "believe", "hope", "plan", "intend", "seek", "may", "will", "could", "should", "would", "expect", "anticipate", "estimate", "continue", "target" or other similar words. To the extent that any of the statements contained herein relating to QIAGEN's products, timing for launch and development, marketing and/or regulatory approvals, financial and operational outlook, growth and expansion, collaborations, markets, strategy or operating results, including without limitation its expected net sales, net sales of particular products, net sales in particular geographies, adjusted net sales, adjusted diluted earnings per share results, expansion of adjusted operating income margin, returns to shareholders, product portfolio management, product launches (including anticipated launches of our sequencing solutions, testing platforms, panels and systems), leveraging AI technology, improvements in operating and financial leverage, currency movements against the U.S. dollar, plans for investment in our portfolio and share repurchase commitments, our expectations relating to our adjusted tax rate, debt maturity and repayment, 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 our dependence on the development and success of new products; management of growth and expansion of operations (including the effects of currency fluctuations, tax laws, regulatory processes and dependence on suppliers and logistics services); variability of operating results; integration of acquired businesses; 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, including delays or limits in the amount of reimbursement approvals or public health funding); 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 new products and the integration of acquired technologies and businesses; actions of governments, global or regional economic developments, including inflation and rising interest rates, weather or transportation delays, natural disasters, cyber security breaches, political or public health crises, and its impact on the demand for our products and other aspects of our business, or other force majeure events; litigation risk, including patent litigation and product liability; debt service obligations; volatility in the public trading price of our common shares; as well as the possibility that expected benefits related to recent or pending acquisitions may not materialize as expected; and the other factors discussed under the heading "Risk Factors" in 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.

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 operating income, adjusted operating income margin, adjusted net income before taxes, adjusted income tax, 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. 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.



Thierry Bernard

Chief Executive Officer

2028 STRATEGY

COMMITTED TO SOLID PROFITABLE GROWTH

THE VALUE OF BIOLOGY HAS NEVER BEEN STRONGER









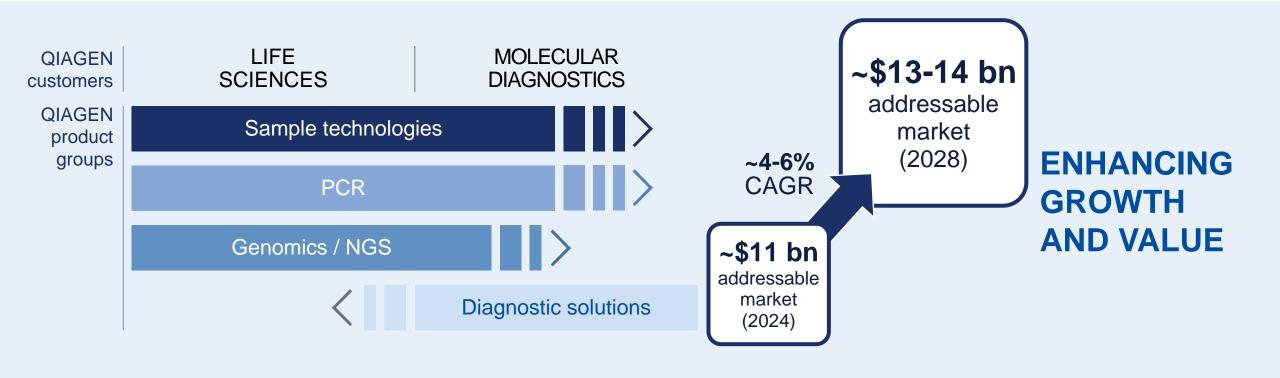
Crucial to advancing science

Improving healthcare for <u>all</u>

Direct impact on your lives

QIAGEN MORE FOCUSED AND STRONGER THAN EVER





+7%
non-COVID sales
CAGR (2019-23)

>85% highly recurring revenues

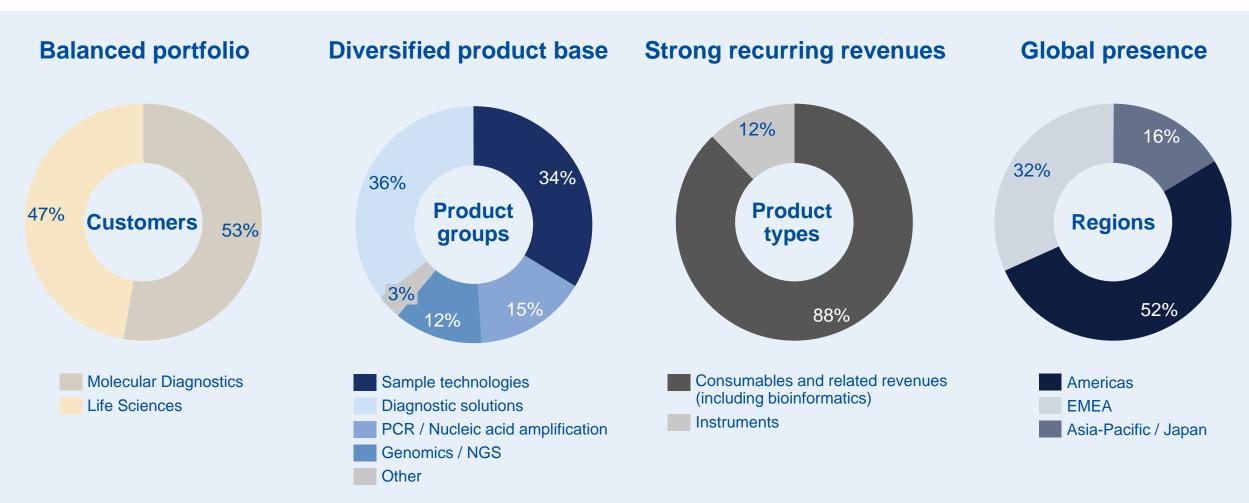
>60,000 annual mentions in academic journals

>17,000
new instrument
placements since 2019

WELL-BALANCED ACROSS KEY MARKET DIMENSIONS



2023 net sales: ~\$2 bn



NGS - Next-generation sequencing

LEVERAGING A TRUSTED BRAND KNOWN FOR QUALITY



Serving >500,000 customers from basic research to clinical testing





Pharma / CROs



Academia / hospitals



Clinical labs / test facilities



Public agencies



FROM ACADEMIA TO CLINICAL LABS, A CONTINUUM OF DIFFERENTIATED SOLUTIONS



Samples

Sample preparation

Detection

Insights







PCR



Genomics / NGS



Diagnostic solutions



LIFE SCIENCES CUSTOMERS

Academic labs

Government research labs

Pharma / Biotech

Forensics / Human ID

~\$5-6 bn

total addressable market (2024)

MOLECULAR DIAGNOSTICS CUSTOMERS

Hospitals / Decentralized healthcare

Reference labs

Pharma partnerships

Public health agencies

~\$5-6 bn total addressable

market (2024)

OUR 2028 TARGETS

~7%

Net sales CER CAGR (2024-28)

≥31%

Adj. operating income margin CER (2028)

STRATEGY: COMMITTED TO SOLID PROFITABLE GROWTH



Sharpen focus on **growth pillars** to **sustain profitable growth**

> At least \$2 bn
net sales CER from pillars in 2028

Drive **efficiency and digitization** to fuel growth investments and profitability

At least 250 bps adj. operating income margin expansion 2024-28

Ensure **disciplined capital allocation** for growth and shareholder value

At least \$1 bn
of returns to shareholders 2024-28
(absent M&A)

Deliver through accountable, empowered and reinvigorated leadership

BPS – Basis points
CAGR – Compound annual growth rate
CER – Constant exchange rates

June 17, 2024 Capital Markets Day 2024 13

SHARPENING FOCUS ON PILLARS FOR PROFITABLE GROWTH



NeuMoDx: Disciplined portfolio management

Our growth drivers: Sharpened focus on profitable growth

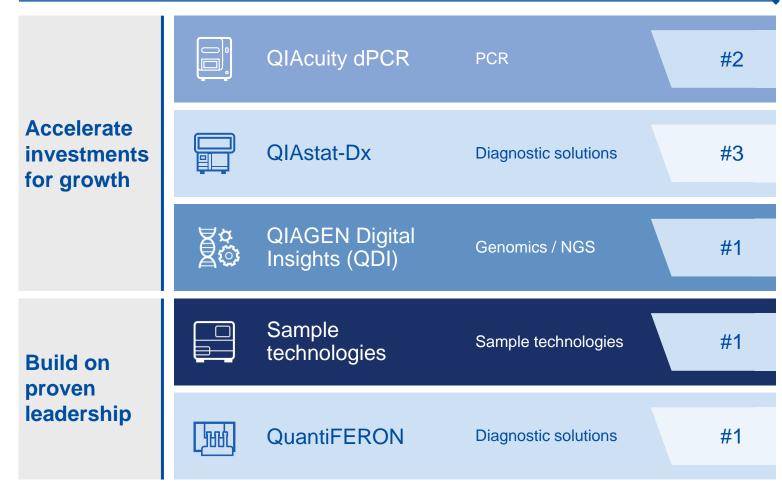


Reduce commercial support in stages through 2025

Responsibly transition customers to other solutions

Reinforce strategy of focused leadership

Reallocate resources to other opportunities and improve profitability



NGS – Next-generation sequencing

GROWTH PILLARS TO CONTRIBUTE ≥\$2 BN SALES CER IN 2028



Accelerate investments for growth

~3x

Growth pillar

QIAcuity dPCR

QIAstat-Dx

♥

© QIAGEN Digital Insights (QDI)

QuantiFERON technologies

Digital PCR for research and clinical

Syndromic testing for rapid clinical results

Bioinformatics to create genomic data insights

DNA / RNA isolation Leading blood-based and automation technology for latent TB

Build on proven leadership

2028 target(1)

2024 target⁽¹⁾

≥\$250 mn

vs. >\$90 mn

≥\$200 mn

~2x

vs. >\$100 mn

≥\$200 mn

~2x

vs. >\$110 mn

≥\$750 mn

Sample

vs. >\$650 mn

≥\$600 mn

vs. >\$450 mn

Growth focus

(1) Net sales CER target

>3x increase in sales specialists

Add >100 new assays to expand applications Add new panels in EU (3) and U.S. (7)

Build on >4.000 cumulative placements Add new software and build commercial teams

Drive investments in Al / new technologies New QIAsymphony and QIAsprint instruments

Accelerate in liquid biopsy, microbiome, etc. Convert remaining 60% of latent TB market

Expand global customer base with automation

CER – Constant exchange rates TB - Tuberculosis



2028 net sales CER target vs. 2024 net sales CER target

INITIATIVES TO FUEL GROWTH INVESTMENTS AND ACHIEVE ≥31% ADJUSTED OPERATING INCOME MARGIN IN 2028



Operational excellence

Positioning QIAGEN for stronger profitable growth

Organizational design

Foster agility and ownership in decision-making

Portfolio streamlining

NeuMoDx decision, continue disciplined portfolio management

Process optimization

Drive key process scalability with S/4HANA upgrade

Site network strategy

Improve capacity utilization through network optimization

Digitization

Accelerating growth and efficiency across QIAGEN

>6 million

website visitors / year with ~20% increase (2019-23)

~65%

digital transaction share enabling touchless orders



~30

dedicated cross-functional Al initiatives, including:

- > Manufacturing
- > Regulatory
- Customer service

FOCUSING ON TARGETED CAPITAL DEPLOYMENT



Strong cash flow and healthy balance sheet

Organic Profitable targeted investments investments **Focused** Value-creating transactions M&A Shareholder Committed to a **higher level of returns** to shareholders returns

June 17, 2024 Capital Markets Day 2024 17

EMBRACING ESG FOR ALL STAKEHOLDERS



Environmental responsibility

Investing in people

Serving society

Business with integrity

Net zero

carbon emission target (2050)

36%

female leadership (2023) ≥40% target (2027)

>50

public health partnerships (2023)

~8,000 compliance trainings completed (2023)

Top ESG ratings













EXECUTING OUR STRATEGY WITH EMPOWERED QIAGENERS



~6,000 QIAGENers

~50%
new top leaders since 2020

~15% with QIAGEN for >15 years

Expand our culture of empowerment

Foster accountability and decentralized decision-making



REINVIGORATED LEADERSHIP TEAM DEDICATED TO DELIVER



Supervisory Board



Lawrence A. Rosen Chair Joined in 2013



Metin Colpan Co-founder of QIAGEN



Thierry Bernard
Chief Executive Officer
Joined EC in 2015



Executive Committee

Roland Sackers
Chief Financial Officer
Joined EC in 2004

Presenting today



Toralf Haag
Joined in 2021



Ross Levine
Joined in 2016



Fernando Beils Molecular Diagnostics Joined EC in 2023



Nitin Sood Life Sciences Joined EC in 2023



Elaine Mardis Joined in 2014



Bert van Meurs Joined in 2024

Eva Pisa

Joined in 2022



Jonathan Sheldon
Bioinformatics
Joined EC in 2018



Stephany Foster Human Resources Joined EC in 2019



Eva van Pelt Joined in 2024

Joined in 2023

Stephen H. Rusckowski



Elizabeth E. Tallett
Joined in 2011



Antonio Santos
Global Operations
Joined EC in 2022



Jean-Pascal ViolaCorp Strategy / Bus. Dev.
Joined EC in 2019

Attending today



Joined since 2020

June 17, 2024 Capital Markets Day 2024

OUR 2028 TARGETS

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BPS – Basis points CAGR – Compound annual growth rate CER – Constant exchange rates

June 17, 2024 Capital Markets Day 2024 21



Nitin Sood

Senior Vice President Life Sciences Business Area

ENDLESS POSSIBILITIES WITH DNA AND RNA

LIFE SCIENCES BY QIAGEN

June 17, 2024 Capital Markets Day 2024 22

LEADING FROM THE FIRST STEP IN LAB WORKFLOWS



Samples

Sample preparation

Detection

Insights



Sample technologies





PCR

QIAcuity dPCR



Genomics / NGS

QIAGEN Digital Insights



Diagnostic solutions



LIFE SCIENCES CUSTOMERS

Academic labs

Government research labs

Pharma / Biotech

Forensics / Human ID

~\$5-6 bn

total addressable market (2024)

MOLECULAR DIAGNOSTICS CUSTOMERS

Hospitals / Decentralized healthcare

Reference labs

Pharma partnerships

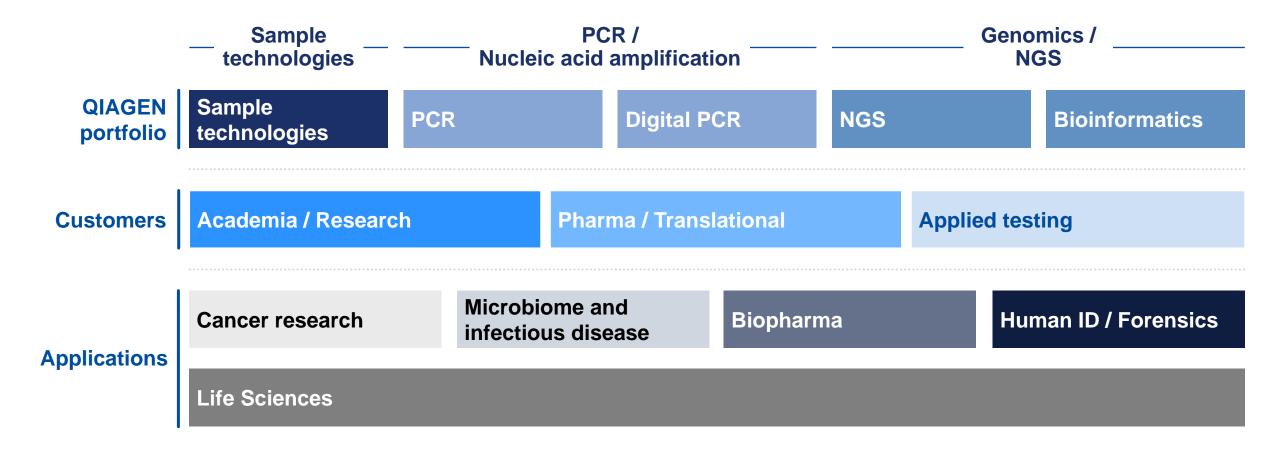
Public health agencies

~\$5-6 bn

total addressable market (2024)

STRONG PORTFOLIO BUILDING ON SAMPLE PREP LEADERSHIP





NGS - Next-generation sequencing





ENDLESS POSSIBILITIES WITH DNA AND RNA

Opportunity

Strong demand for advanced, reliable solutions to support Life Sciences research, pharma and applied testing markets

Why we win

One of the most recognized brands in labs, known for quality and expertise from the first step of molecular workflows

Strategic priorities



Sample technologies

Leverage #1 position through new automation solutions and cuttingedge applications



QIAcuity dPCR

Seize dynamic market opportunities and establish leading position with strategic investments to drive growth

Sample technologies

HIGH-QUALITY SAMPLE PREP **KEY TO ACCESS DNA AND RNA**

~\$1.2 bn

Sample technologies 2024 total addressable market



Laboratory workflow

Biological sample



Sample technologies

Critical step in molecular workflows

Differentiated solutions for modular, integrated workflows

Fast time to result, scalability and ease of use

Platform-agnostic consumables

PCR

dPCR

NGS

Valuable molecular insights



Cutting-edge applications













Liquid biopsy

Microbiome

Cell and gene therapy

Multi-omics

Multi-plex testing

MRD (Minimal Residual Disease)

Updated automation systems



Low- to high-throughput systems for DNA / RNA purification with varying input volumes

NGS - Next-generation sequencing



LEADER IN THE FIRST STEP OF LAB WORKFLOWS



Comprehensive consumables portfolio



ANY

biological sample

e.g., tissue, cells, blood, serum, wastewater

>350

different sample kits

for manual and automated processing

DNA/RNA

target analytes

including variations

State-of-the-art automation portfolio



QIAcube Connect QIAcube HT

EZ2 Connect

QlAsymphony



QIAsymphony Connect

In development

QIAsprint Connect

QIAGEN offering highest-quality products and unmatched expertise

for sophisticated technologies and simplified sample processing

Key achievements

>120 mn

QIAGEN preparations sold per year

>28,000

cumulative instrument placements (>9,000 since 2019)

>50,000
annual mentions in peer reviewed publications

EXTENDING COMPREHENSIVE AUTOMATION OFFERING



Research / applied testing



>14,400 placements⁽¹⁾

QIAcube Connect

Up to 12 samples per run

Validated and customized protocols

Validated and customized protocols

Validated and customized protocols

Up to 192 samples per run

NEW

Low-throughput

Mid-throughput

Large menu supporting applications

High-throughput

Low unoughput



>5,700 placements⁽¹⁾

EZ2 Connect

Up to 24 samples per run



>3,300 placements⁽¹⁾

QIAsymphony

Up to 96 samples per run

Clinical / translational

Can be integrated into lab network

Next-gen liquid biopsy applications

Broadest portfolio of applications



Launch 2025

QIAsymphony Connect

Up to 96 samples per run

(1) Cumulative placements as of year-end 2023, QIAcube Connect placements including QIAcube family, EZ2 Connect placements including EZ1 and EZ2 family

FOCUSED STRATEGY TO DRIVE MID-TERM GROWTH



Expand in state-of-the-art applications with new consumables







≥\$750 mn
Sample technologies
net sales CER target
(2028)

Extend #1 position with improved handling through new consumables kits

Enter high-throughput automation market for research



QIAsprint Connect



Launch 2026

Introduce new system building upon popular magnetic bead-based consumables

Update mid-throughput automation platform with next-gen applications



QIAsymphony Connect



Launch 2025

Update flagship instrument leveraging >3,300 global placements

CER – Constant exchange rates

QIAcuity dPCR



dPCR – CAPTURING SHARE FROM qPCR AND NGS MARKETS

Quantitative PCR (qPCR)

e.g., Cell and Gene Therapy

- Lower sensitivity and precision
- + Fast time-to-result at low cost

~\$2.5 bn

qPCR 2024 total addressable market⁽¹⁾

QIAcuity dPCR

Enabling novel applications

High sensitivity and precision

More accurate than qPCR

Rapid and cost-effective

Faster and lower cost than NGS

~\$0.5 bn

dPCR 2024 total addressable market⁽¹⁾

>15% CAGR (2024-28)

Next-generation sequencing (NGS)

e.g., liquid biopsy

- In-depth insights and high precision
- Slow time-to-result at high cost

~\$1.7 bn

NGS consumables 2024 total addressable market⁽¹⁾

NGS – Next-generation sequencing
(1) Total addressable market incl. research and eli-

(1) Total addressable market incl. research and clinical customer segments (QIAGEN market estimates)

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TARGETING RESEARCH TO CLINICAL HEALTHCARE







Scalable systems

Low- to highthroughput capabilities



QIAcuity One



QIAcuity Four



QIAcuity Eight



Ease of use

Fully integrated automation portfolio

Academia

Overcoming entry barrier vs. qPCR

> **Translational and** cancer research

Exploring use of dPCR vs. NGS

Biopharma

Precision / speed benefits vs. qPCR / NGS



Fastest time to result

Over twice as fast vs. droplet digital PCR



>2,300 validated QIAcuity dPCR assays

GeneGlobe custom assay design tool

NGS - Next-generation sequencing

Key achievements

>2,000 cumulative placements since launch

>400

customers with multiple instruments (2024)

>350

publications referencing QIAcuity dPCR (2024)

SIGNIFICANT INVESTMENTS INTO QIACUITY DPCR



≥\$250 mn

QIAcuity
net sales CER target (2028)

Accelerate commercialization

Target new applications

Extend into clinical use

>3x increase

of sales specialists for market penetration



Add >100 assays

menu expansion for CGT, pathogen and cancer research



QIAcuity-Dx

version for clinical customers



Launch 2024

Accelerate market through customer education in biopharma and translational

Maximize value of GeneGlobe >10 million predesigned assays with unlimited customization

Launch BCR-ABL assay

with initial focus on hemato-oncology



FDA submission 2025

CASE STUDY

ENABLING ACCURATE THERAPY



CAR-T therapy

Revolutionary targeted cancer treatment

Patient's T-cells are collected and modified to recognize and destroy cancer cells

Need for rigorous testing and monitoring to ensure success

Comprehensive portfolio desired to obtain in-depth insight and efficiency benefits

U.S. children's hospital

QIAcuity-enabled vector release assay included in FDA submission

- One-stop shop ensuring high quality and support
- Highest quality and complete line of automation options
- Compliant with **FDA requirements without modifications**











preparation	Digital PCR	interpretation

QIAamp gDNA extraction

QIAcuity Four with QIAcuity CGT / CNV assays

QIAcuity Copy Number Variation Analysis

June 17, 2024 Capital Markets Day 2024

NET SALES 2028 TARGETS(1)

ENDLESS POSSIBILITIES WITH DNA AND RNA

34

Sample technologies

≥\$750 mn

vs. >\$650 mn (2024)

QIAcuity dPCR

≥\$250 mn

vs. >\$90 mn (2024)



Sample technologies Leverage #1 position through new automation solutions and cutting-edge applications



QIAcuity dPCR

Seize dynamic market opportunities and establish leading position with strategic investments to drive growth

CER – Constant exchange rates (1) Net sales CER target

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LIFE SCIENCES



Fernando Beils

Senior Vice President Molecular Diagnostics Business Area

DECISIVE WHEN IT MATTERS

MOLECULAR DIAGNOSTICS BY QIAGEN

June 17, 2024 Capital Markets Day 2024 35

ENABLING LABS THROUGH MOLECULAR TESTING



Samples

Sample preparation

Detection

Insights



Sample technologies





PCR

QIAcuity dPCR



Genomics / NGS

QIAGEN Digital Insights



Diagnostic solutions

QuantiFERON | QIAstat-Dx



LIFE SCIENCES CUSTOMERS

Academic labs

Government research labs

Pharma / Biotech

Forensics / Human ID

~\$5-6 bn

total addressable market (2024)

MOLECULAR DIAGNOSTICS CUSTOMERS

Hospitals / Decentralized healthcare

Reference labs

Pharma partnerships

Public health agencies

~\$5-6 bn

total addressable market (2024)

FOCUSING ON UNMET MEDICAL NEEDS



	Sample technologies	Diagnostic solutions		PCR / Nucleic acid amplification	Genomics / NGS	
· ·		Blood-based disease detection	Multiplex syndromic testing	Digital PCR	Bioinformatics	
Customers	Reference / Hospitals		Physicians / clinical labs	Public health authorities	Pharma	
Applications	Infectious diseases		cology	Genomic tes	Genomic testing	
	Molecular Diagnostics					





Opportunity

Targeting fast-growing markets with demand for novel diagnostics

Why we win

Top leadership positions through a differentiated portfolio in areas with unmet medical needs

Strategic priorities



QuantiFERON

Expand #1 latent Tuberculosis (TB) position through skin test conversion and complete automation advantages



QIAstat-Dx

Achieve #2 position with broader global presence and differentiated test menu



1 in 4

people have a latent TB bacterial infection

1 in 10

of these people will develop an active TB bacterial infection

#1 cause of death

among infectious diseases

~\$1.5 bn

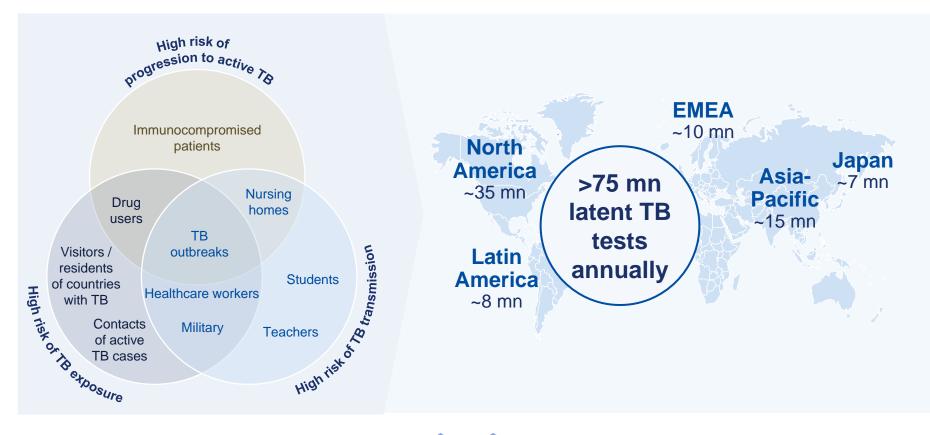
latent TB testing 2024 total addressable market

TUBERCULOSIS: A HIGHLY CONTAGIOUS AND LETHAL BACTERIAL INFECTION



Broad health risk

Global relevance



Latent TB testing stops spread of active TB and protects public health

TB – Tuberculosis



BEST-POSITIONED LATENT TUBERCULOSIS TEST



Advantages to skin test

Specification	QuantiFERON blood test	Tuberculin skin test
Customizable automated workflow		×
High accuracy and specificity		×
Only one patient visit		×
Electronic results		×
Quality-assured laboratory test		×

Advantages to blood-based competitors

>2,700 citations

in publications underscoring clinical value

>3 endorsements

including WHO, U.S. CDC and IPPA

>130 countries

with QuantiFERON customers

>120 patents

in 34 countries beyond 2030

Key achievements

\$408 mn

2023 net sales (+70% vs. 2019)

>125 mn

QuantiFERON-TB tests since launch

QuantiFERON®-TB Gold

endorsement for

QuantiFERON-TB

CDC – U.S. Centers for Disease Control and Prevention IPPA – International Panel Physicians Association WHO – World Health Organization

DRIVING SKIN TEST CONVERSION WITH UNRIVALED **AUTOMATION**



≥\$600 mn

QuantiFERON net sales CER target

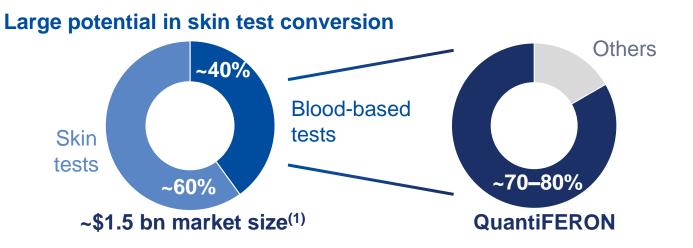
Leading automation advantage (2028)

Increase customer base



Partnership with **Diasorin** to expand into Lyme disease

Drive TB market conversion



New decentralized TB test for emerging markets

CER - Constant exchange rates (1) Latent tuberculosis testing market (2024)

QIAstat-Dx





~\$2.0 bn

syndromic testing 2024 total addressable market



Use case: 3-year-old with severe but unspecific GI symptoms

Traditional testing

Slow diagnosis and treatment decisions can lead to complexities

Syndromic testing

Fast diagnosis enabling better treatment decisions











Multiple tests to identify disease









Day X



Late diagnosis and delay in starting the right treatment

Day 1



One test within one hour



Quick diagnosis for accurate treatment



Better for patients and physicians



Reduces healthcare costs

GI - Gastrointestinal

QIASTAT-DX OFFERS DIFFERENTIATED FEATURES



Strong product capabilities

Specification	QIAstat-Dx	Competition
Hands-on time	~1 min	>5 min
qPCR		×
Amplification curves / Ct values		×
Time to result	~1 hour	~1 hour

Key differentiators

Workflow efficiency and safety for robust results

Additional pathogens on panels for broader coverage

Lab
connectivity
for
remote
results

level for better lab environment

Key achievements

>4,000 cumulative placements since launch

>50% of customers use more than 2 panel types

~100
countries with
QIAstat-Dx
customers

EXPANDING GLOBAL PRESENCE AND DIFFERENTIATED MENU



≥\$200 mn QIAstat-Dx net sales CER target

Grow installed customer base



Small hospitals

Public health labs



Complete Panels

Medium hospitals
Regional reference labs



Large hospital networks

National reference labs

(2028)

FDA submission 2024

Mini Panels

Low-throughput customers

High-throughput customers

Drive menu expansion

Respiratory	GI	Meningitis	Blood culture	cUTIs	Pneumonia	Resp. 5 Mini ⁽¹⁾	2x GI 5 Mini ⁽²⁾
⋖	✓	\bigcirc	2025	2026	2028		
✓	✓ NEW	2024	2025	2026	2028	2024	2024

✓ Already launched

202X: Submission date

CER – Constant exchange rates cUTI – Complicated Urinary Tract Infection GI – Gastrointestinal Resp. – Respiratory (1) Influenza A, Influenza B, Respiratory Syncytial Virus (RSV), Rhinovirus, SARS-CoV-2 version (2) Campylobacter, Salmonella, Shiga-like toxin E. coli (STEC), Shigella, Yersinia enterolitica or Norovirus versions

June 17, 2024 Capital Markets Day 2024 44

OFFERING NEW SOLUTIONS FOR PHARMA PROJECTS

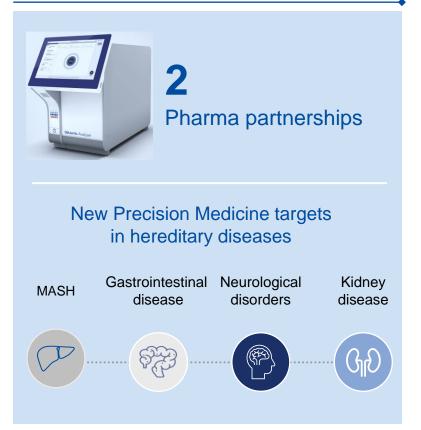


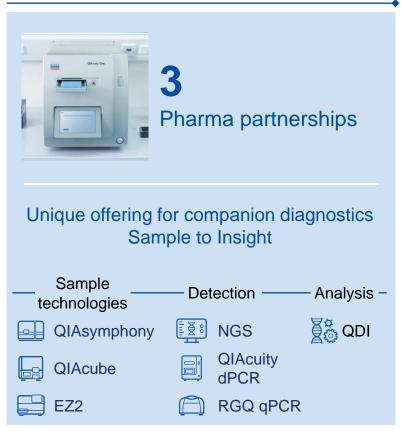
QIAstat-Dx for genetic and other diseases



QIAcuity-Dx dPCR for Precision Medicine







#1 trusted Pharma partner >30 master collaboration FDA approvals agreements **b** NOVARTIS astellas Boehringer Ingelheim



AMGEN



Solueprint

AstraZeneca 2

BAYER





MASH – Metabolic dysfunction-associated steatohepatitis NGS – Next-generation sequencing

NET SALES 2028 TARGETS⁽¹⁾

MOLECULAR DIAGNOSTICS DECISIVE WHEN IT MATTERS



QuantiFERON

≥\$600 mn

vs. >\$450 mn (2024)

QIAstat-Dx

≥\$200 mn

vs. >\$100 mn (2024)

CER – Constant exchange rates (1) Net sales CER target



QuantiFERON

Expand #1 latent TB position through skin test conversion and complete automation advantages



QIAstat-Dx

Achieve #2 position with broader global presence and differentiated test menu

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COMMITTED TO SOLID PROFITABLE GROWTH

Capital Markets Day June 17, 2024 **BREAK**



Jonathan Sheldon

Senior Vice President QIAGEN Digital Insights Business Area

POWERFUL ANALYTICS TO UNDERSTAND GENOMICS

BIOINFORMATICS BY QIAGEN

June 17, 2024 Capital Markets Day 2024 48

ANCHORING GENOMICS OFFERING WITH LEADING SOFTWARE *****

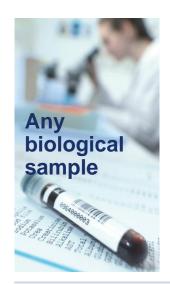


Samples

Sample preparation

Detection

Insights







PCR



Genomics / NGS QIAGEN Digital Insights



Diagnostic solutions



LIFE SCIENCES CUSTOMERS

Academic labs

Government research labs

Pharma / Biotech

Forensics / Human ID

~\$5-6 bn

total addressable market (2024)

MOLECULAR DIAGNOSTICS CUSTOMERS

Hospitals / Decentralized healthcare

Reference labs

Pharma partnerships

Public health agencies

~\$5-6 bn total addressable market (2024)

QIAGEN UNLOCKING THE POWER OF GENOMICS







In 2003, the **first** human genome took

13 years



>\$1 bn / genome



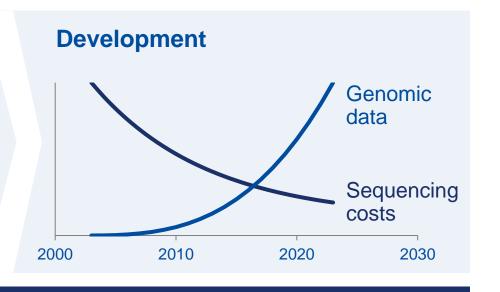
Today, **any** human genome can be read in



5 hours



\$100 / sequencing run





The challenge:
Bottleneck in scaling data interpretation



Up to 324 million possible variants



Research at ~1 hour per variant

QDI: #1 in solving the bioinformatics challenge

Every day

90,000 users

gain valuable disease insights

Every month

65,000 reports

created by our clinical customers



POWERFUL ANALYTICS TO UNDERSTAND GENOMICS

Opportunity

High-growth bioinformatics market driven by genomics data expansion and advancements in genetic testing and Al

Why we win

- Highly profitable Software-as-a-Service business with top margins
- Strong #1 position from research to clinical customers
- Unique competitive edge with hybrid AI / human curated knowledge base

Strategic priorities



Extend leadership in curated knowledge



Deepen global commercial reach



Invest in new Al and other technologies

CAPTURING SIGNIFICANT BIOINFORMATICS MARKET GROWTH



Strong market opportunity



Key growth drivers

Genetic testing advancements providing time and cost efficiencies

Explosion of genomic data generated by NGS systems

Demand for high quality genomics software for data mining

Advancements in AI improving efficiency and offering novel insights

CAGR – Compound annual growth rate CER – Constant exchange rates NGS – Next-generation sequencing (1) Assessment based on vendors directly relevant to QIAGEN Digital Insights (excludes computing and storage segments)

#1 LEADING FROM RESEARCH TO CLINICAL CUSTOMERS

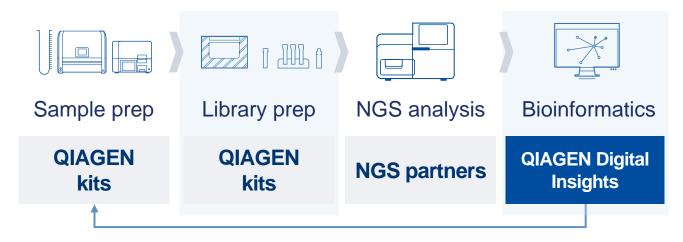




6 market-leading products

>70 countries

Delivering QDI software solutions for NGS workflow



Software insights drive the next actions

Addressing large customer base

Research – Scientific discovery

- > Pharma / Biotech
- Academia
- Government research

Clinical – Patient outcomes

- Clinical testing labs
- Hospitals
- Government labs

CASE STUDY: RESEARCH

ADVANCING DRUG DEVELOPMENT



Pharma challenge

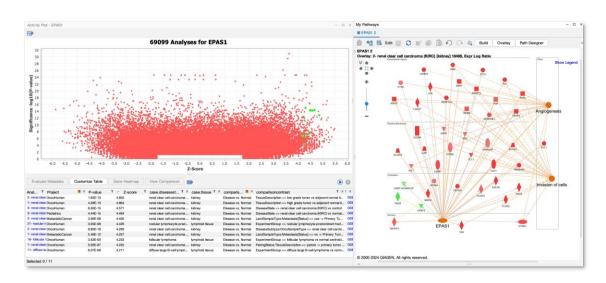
Key to understanding disease pathways, targets and measure changes

Significant number of failures without the ability of foresight

Drug research market is worth \$60 bn with significant growth expected

QDI pivotal to drug discovery

- Over **50,000 scientific publications** cite our software
- 24 of the Top 25 Pharma companies use QDI



Within 2 minutes, software indicates specific diseases that could be treated

CASE STUDY: CLINICAL

ENHANCING PATIENT OUTCOMES



Patient situation

Profile

Male (early 70s)

Diagnosis

Leukemia linked to rare gene mutation

Therapy outlook

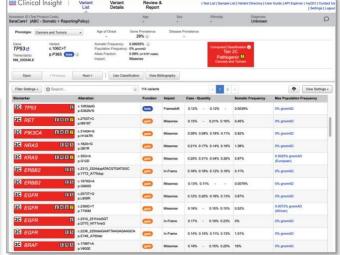
Standard chemotherapy not expected to be effective

QDI-enhanced patient outcome

- Mutation identification and recommendation by QDI
- Targeted therapy leading to life-saving disease remission

QIAGEN Clinical Insights report





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OFFERING UNIQUELY PROFITABLE SOFTWARE-AS-A-SERVICE PORTFOLIO



~\$100 mn

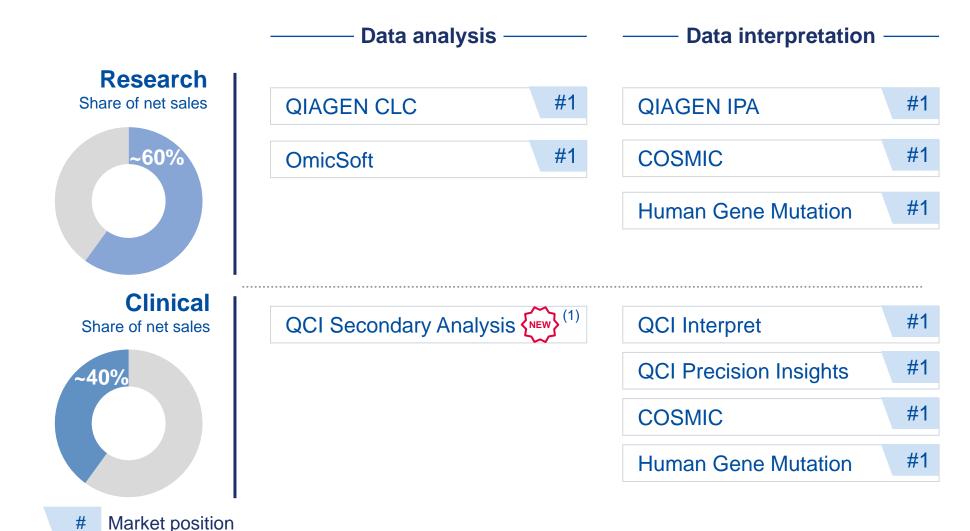
QDI net sales (2023)

>80%

annual recurring from subscription-based model

Highly profitable

QDI business well above comparable peers



(1) Launched in 2024

SUSTAINED COMPETITIVE EDGE WITH CURATED KNOWLEDGE



Gold standard databases

>40

scientific and clinical databases leveraging proprietary QIAGEN data

Breaking data silos and integrating knowledge sources

Databases include gene variants, omics and biomedical

Al with human curation

>150

Ph.D. scientists ensuring depth, breadth **and** quality of knowledge

Augmented human curation ensures trust and confidence

Al enables scale of knowledge databases

Scientific applications

>100,000

scientific publications citing QDI products

IPA leadership

>50,000

scientific citations in top journals

nature



Clinical leadership

>7 mn

oncology and hereditary disease variants curated from literature

INVESTING TO EXTEND MARKET LEADERSHIP









≥\$200 mn

QDI

net sales CER target
(2028)

Extend leadership in curated knowledge

Deepen global commercial reach

Invest in new Al and other technologies

Expand QIAGEN knowledge base into spatial, proteomics and microbiome

Adopt SaaS go-to-market approach



Continue advancing software portfolio



>12 mn

relevant genomic variants for analytics

>40%

new sales specialists dedicated to SaaS sales

~20%

of QDI sales to be invested into R&D

EXPANDING AI LEADERSHIP WITH PRODUCT INNOVATIONS



5 Al-enabled offerings today

>14 Al-enabled applications by 2028 —

Accelerate decision-making with enhanced Al features

4+

upgraded Al-assisted applications

Pathway analysis

Raw genomic data processing

Experimental genomic data matching

Clinical importance ranking

Generate innovative insights leveraging AI



6+

Al-enabled features including two Software-as-a-Service solutions

Adverse events prediction

Drug repurposing prediction

Al-enabled pathway querying

COVID virtual pathway explorer

Al-inferred biological targets

Rare disease clinical insights

Enhance knowledge base through extended AI curation



4+

Al-created databases beyond genomics



New Al-enabled offering

Al-

Al-enhanced products

NET SALES 2028 TARGETS⁽¹⁾

QIAGEN DIGITAL INSIGHTS POWERFUL ANALYTICS TO UNDERSTAND GENOMICS





≥\$200 mn

vs. >\$110 mn (2024)



Extend leadership in curated knowledge Expand breadth of knowledge base



Deepen global commercial reach Adopt SaaS go-to-market approach



Invest in new Al and other technologies Continue advancing software portfolio

CER – Constant exchange rates (1) Net sales CER target

June 17, 2024



Roland Sackers

Chief Financial Officer

2028 TARGETS

COMMITTED TO SOLID PROFITABLE GROWTH

June 17, 2024 Capital Markets Day 2024 61

OUR 2028 TARGETS

~7%

Net sales CER CAGR (2024-28)

≥31%

Adj. operating income margin CER (2028)

STRATEGY: COMMITTED TO SOLID PROFITABLE GROWTH



Sharpen focus on **growth pillars** to **sustain profitable growth**

> At least \$2 bn
net sales CER from pillars in 2028

Drive **efficiency and digitization** to fuel growth investments and profitability

At least 250 bps adj. operating income margin expansion 2024-28

Ensure disciplined capital allocation for growth and shareholder value

At least \$1 bn
of returns to shareholders 2024-28
(absent M&A)

Deliver through accountable, empowered and reinvigorated leadership

BPS – Basis points CAGR – Compound annual growth rate CER – Constant exchange rates

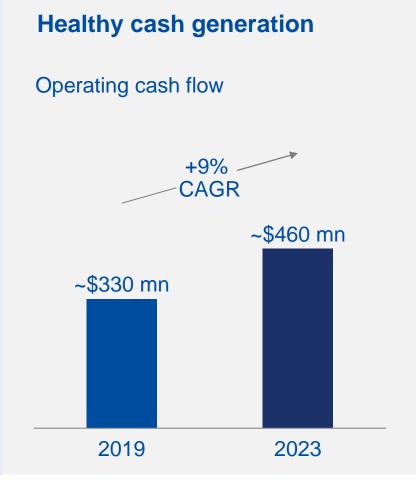
June 17, 2024 Capital Markets Day 2024 62

DELIVERING SOLID GROWTH SINCE 2019









(1) Non-COVID sales CAGR 2019-23 in line with total net sales CAGR CAGR – Compound annual growth rate EPS – Earnings per share

SHARPENED PILLARS DRIVING 2028 GROWTH EXPANSION



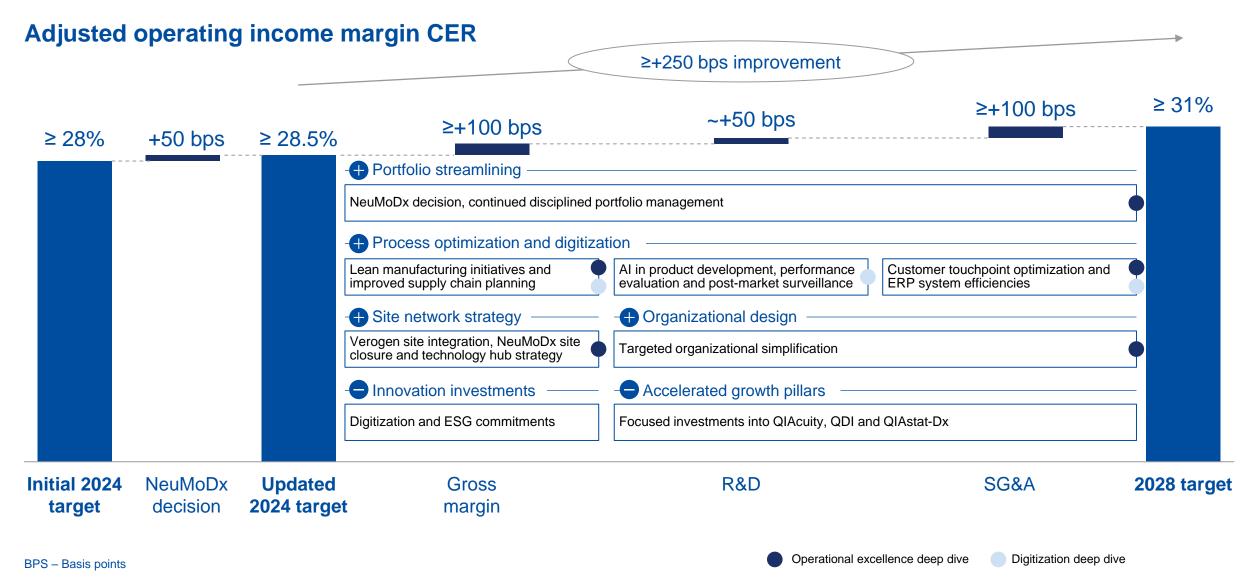
Product groups	2024-28 net sales CER CAGR	
Sample technologies	Low- to mid- single-digit growth	
Diagnostic solutions	High-single-digit growth ⁽¹⁾	
PCR	Low-teens growth	
Genomics / NGS	Low-teens growth	

		QIA	— Market —	
Growth pillars		2028 net sales CER target	2024-28 net sales CER CAGR	2024-28 CAGR
	QIAcuity dPCR	≥\$250 mn	>25%	>15%
Acceleucte				
Accelerate investments for growth	QIAstat-Dx	≥\$200 mn	~20%	~8%
	-			
	P	≥\$200 mn	>15%	>10%
Build on	Sample technologies	≥\$750 mn	~3-4%	~2-3%
proven				
leadership	QuantiFERON	≥\$600 mn	~7%	~4-5%

(1) Organic growth excl. NeuMoDx

EFFICIENCY AND DIGITAL INITIATIVES DRIVING PROFITABILITY





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OPERATIONAL EXCELLENCE: FOSTERING EFFICIENCY



Multi-year QIAefficiency program

Enabling ≥31% adjusted operating income margin in 2028 while fueling growth through targeted investments

Organizational design

Portfolio streamlining

Process optimization

Site network strategy

Spotlight examples

Leverage gains

~\$3 mn

annual savings from decentralized empowerment combined with centralized leverage

NeuMoDx discontinuation

+50 bps

adjusted operating income margin gain in H2 2024, further gains with full implementation (end 2025) **New sourcing platform**

~50-70%

automation benefits for ~30,000 manual purchase orders per year

~\$5 mn

annual savings from online auctioning of freight lanes

Verogen site integration

~\$3 mn

annual savings from Verogen site into QIAGEN Maryland hub

BPS - Basis points

June 17, 2024 Capital Markets Day 2024

DIGITIZATION: LEVERAGING AI TECHNOLOGY ACROSS QIAGEN *****



Improve efficiencies through AI and digitization across the value chain

Selected areas

Spotlight examples

Impact

67

Manufacturing

Real-time in-process control and enhanced predictive analytics for production planning

~10-15% scrap reduction

Regulatory

Improved accuracy and efficiency in **post-market** surveillance reporting

~60-70% faster report generation and improved accuracy

Customer service

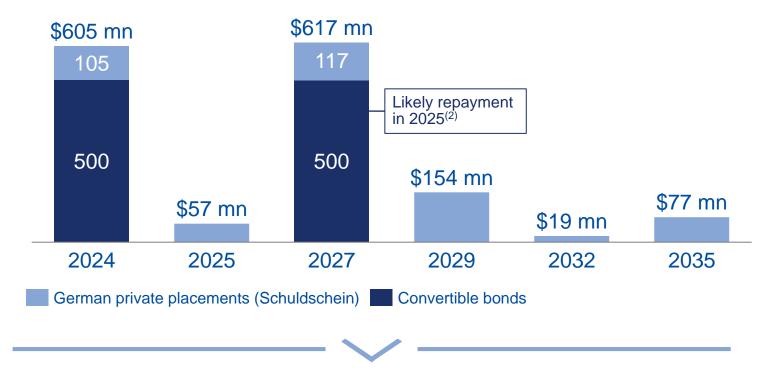
Proprietary ServiceGPT to reduce hands-on time for processing customer requests

~15% reduced hands-on time for ~75,000 tickets processed annually

HEALTHY BALANCE SHEET ENABLING CAPITAL ALLOCATION



Debt maturity overview⁽¹⁾



May consider opportunistic refinancing

PROVEN DISCIPLINED CAPITAL ALLOCATION APPROACH



Strong cash flow and healthy balance sheet Organic investments

Profitable targeted investments

into pillars and digitization to fuel profitable business expansion

Focused M&A

Value-creating transactions

to enhance portfolio and maintain leadership

Shareholder returns

At least \$1 bn of returns

to shareholders planned for 2024-28 (absent M&A)

2024-2028 ASSUMPTIONS





Net sales: Business excluding NeuMoDx

Adjusted tax rate: Moderate changes expected subject to legislation (OECD Pillar Two)

Net interest income (expense): Reduced interest income, subject to interest rate environment and refinancing opportunities

> Shares outstanding: ~210-215 mn in 2028⁽¹⁾

OUR 2028 TARGETS

~7%

Net sales CER CAGR (2024-28)

≥31%

Adj. operating income margin CER (2028)

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June 17, 2024 Capital Markets Day 2024 71

BUILDING SUSTAINABLE ECOSYSTEMS FOR OUR CUSTOMERS















COMMITTED TO SOLID PROFITABLE GROWTH

Capital Markets Day June 17, 2024 **Q&A SESSION**





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Capital Markets Day June 17, 2024