### **GENTIAN DIAGNOSTICS**



# ABGSC Life Science Summit

Dr. Hilja Ibert CEO

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### High-impact diagnostics with global commercial traction

Gentian is a fast-growing developer and manufacturer of diagnostic tests

 The tests are produced in Moss, Norway, and can be used on all major clinical chemistry analysers

- They are sold globally, through direct sales and partnerships with world-leading diagnostic companies
- The end-users are clinical laboratories that leverage Gentian's tests to make better treatment decisions and save costs
- Gentian currently has 4 established diagnostic tests being sold worldwide, 2 tests in market development and 1 test in product development
- The company invests in R&D to bring a steady stream of diagnostic tests to the market



Founded

**Employees** 

Total revenue 2022

Oslo listing

Market cap

2001

~50

**MNOK 112** 

**OSE: GENT** 

**MNOK ~715** 



### Attractive value proposition: fast results and lower costs



Many of the existing, but clinically relevant biomarkers are available only on slow and inefficient platforms

- Hours from initiation of analysis to results
- Low throughput



#### **Gentian's solution**

Gentian converts existing biomarkers to the most efficient automated, highthroughput analysers

- 10 minutes from initiation of analysis to results
- High throughput



Faster results leading to better treatment decisions

3-10x higher throughput, improving laboratory productivity and cost-efficiency



### Portfolio of high-impact tests provides solid growth opportunity



7\* tests contributing to saving costs and protecting life

USD 1.8bn serviceable market with 5-10% annual growth



### Industry-leading team and knowhow

Team with proven trackrecord and industry expertise from market leading IVD companies



Entered partnerships with 5 major global IVD companies

Long-term ambition of NOK 1bn revenue and 40% EBITDA margin\*\*



~28% average annual sales growth 2019-22

2 'blockbuster' tests in market and product development



### Dedicated and experienced management team



CEO Dr. Hilja Ibert



Consulting Founder
Dr. Erling
Sundrehagen



CFO & COO Njaal Kind



CCO Markus Jaquemar



CSO Dr. Alexandra Havelka



VP R&D
Dr. Torsten
Knüttel



VP QA & RA
Anne-Mette
Horsrud Akre



VP BD Jack Andreassen

20+ years of relevant industry experience across management positions

Track record from leading global diagnostics companies in across all phases

















### Products targeting large and growing disease groups

DISEASE GROUP	PRODUCT	APPLICATION	ATTRACTIVE CLINICAL BENEFITS
<ul><li>Kidney disease</li></ul>	Cystatin C	Early detection of reduced kidney function	Preventing severe kidney failure
<ul><li>Inflammation &amp; infection</li></ul>	fCAL	Fast diagnosis of inflammatory bowel disease	Reducing time-consuming and costly colonoscopy
	GCAL	Early detection of severe infections, including sepsis	Reducing chance of fatality and treatment costs
	SARS-CoV-2 Ab	Measuring COVID-19 immunity	Supporting community management
	Canine CRP	Early detection and diagnosis of inflammation in dogs	High relevance of results due to dog specific CRP
<ul><li>Cardiac</li></ul>	NT-proBNP	Diagnosis, monitoring and assessment of congestive heart failure	Contributing to standardization of NT-proBNP assays
<ul><li>Pancreas</li></ul>	fPELA	Diagnosis of pancreatic elastase insufficiency in combination with fCAL	Reducing time-consuming and costly colonoscopy

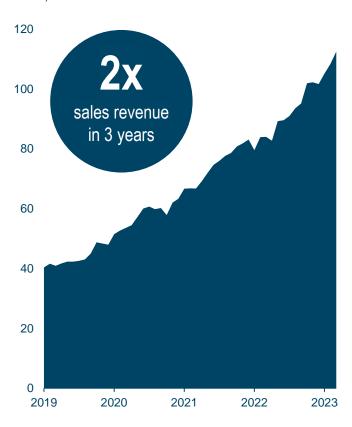


### Positioned for strong value creation: high growth and scalability

Enabling 40% long-term EBITDA margin

#### Monthly sales revenue 1Q19-1Q23

LTM, NOKm



#### **Commercial traction**

As per 1Q23

- Commercial interest for Gentian NT-proBNP in optimisation
- Two potential projects in 'proof of concept' phase
- Clinical studies confirm value of the product
- First agreements with global IVD companies concluded
- Delivered >25% sales CAGR since 2019-2022
- Targeting 20%+ sales growth 2022-2028

**Revenue potential by product group** 2028

**Pipeline products** 

NOK 0-400m

**GCAL** 

NOK 100-300m

**Established products** 

NOK 250-300m

Note: Established products include 3<sup>rd</sup> party products sold through Gentian AB. Pipeline products include NT-proBNP currently in product development and two undisclosed projects in 'proof of concept' phase. In 2023, Gentian upgraded its lab facilities to provide increased efficiency and production capacity in line with the 5-6 year sales potential.



### Partnerships prove viability of go-to-market model



Global distribution agreement for GCAL®, initial roll-out in Europe

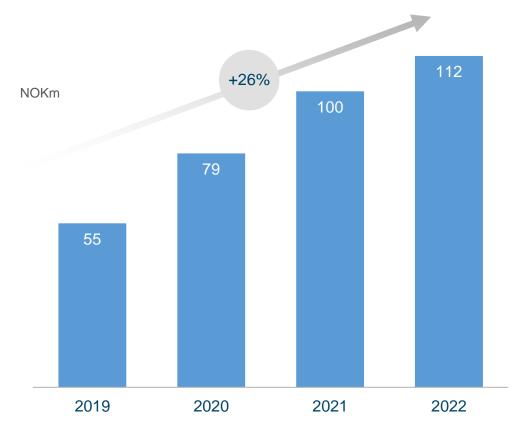


Long-standing commercial partnership for Cystatin C



Partnership for fCAL initiated through Bühlmann Laboratories

#### **Total revenue\* and CAGR**





### Increased distribution supporting long-term growth

#### 1Q23 financials and key milestone

### Sales MNOK 31.4

+53% vs 1Q22

## Gross margin 52%

44% in 1Q22

# EBITDA MNOK -0.5

MNOK -4.2 in 1Q22

# New studies confirm clinical relevance of GCAL

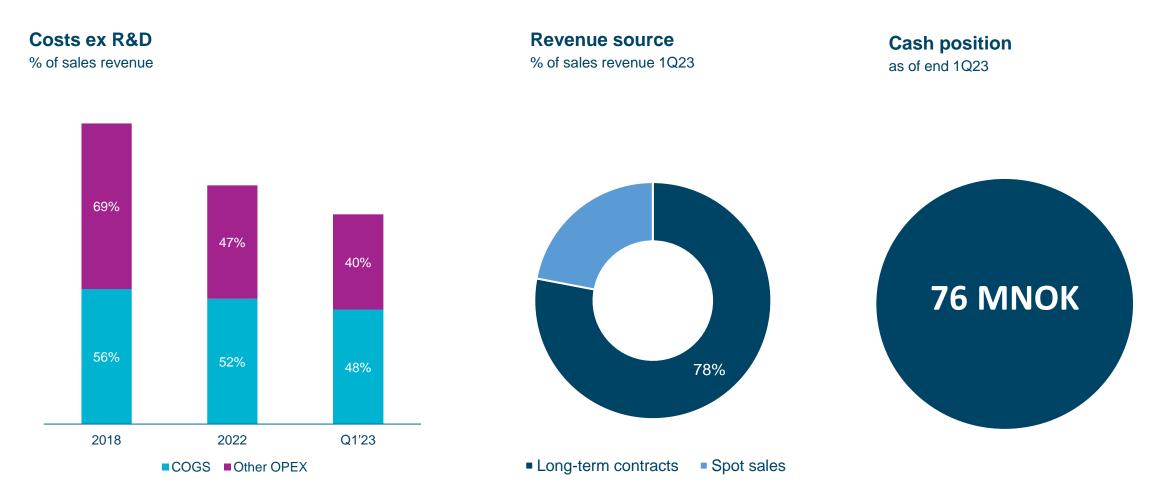
**Underlying operations are EBITDA positive pre-R&D** 

#### **Highlights**

- Sales of MNOK 31.4 in Q123, up 53% (40% organic growth) from 1Q22
- All products and geographic areas showed positive sales development in 1Q23 compared to 1Q22
- Demand for Cystatin C in China stabilised after the end of the coronarelated lock-down
- New guidelines in the US and co-marketing efforts with commercial partner Beckman Coulter resulted in new customers for Cystatin C in the US and in Europe
- Further results from scientific studies confirmed the relevance and benefits of GCAL for the early detection and severity assessment of infections
- EBITDA was MNOK -0.5 in 1Q23. Total R&D costs were MNOK 7.5 in the guarter



# On track for profitability: operational leverage, long-term contracts and comfortable cash position





### Conclusion

**Attractive value proposition** 

Faster diagnostic results, enabling better treatment decisions, and 3-10x higher throughput significantly improving laboratory productivity and cost-efficiency

**Strong demand growth** 

USD 1.8 billion diagnostics market opportunity growing at 5-10% per year supported by strong underlying demand drivers – a growing and ageing population

**Diversified revenue stream** 

Proven commercial traction for 5 launched products, de-risking revenue and providing diversified upside potential

On track for profitability

Operational leverage, 78% of revenue from long-term contracts with customers and comfortable cash position

Positioned for strong value creation

Outlook for 20%+ growth from established products, GCAL® potential beginning to materialize and significant further upside in the development pipeline – high scalability enabling 40% EBITDA margin







# Gentian develops and manufactures innovative and efficient diagnostic tests

#### IN VITRO DIAGNOSTICS (IVD)

- Tests done on samples that have been taken from the human body such as blood. IVD can detect diseases, infections or other medical conditions.
- IVD testing is a core component of routine healthcare check-ups for those who are presenting with symptoms or require procedures.
- IVD can be used to monitor a person's overall health to help cure, treat, or prevent diseases – and it influences up to 70% of critical healthcare clinical decision-making.

#### **GENTIAN DIAGNOSTICS**

- Focused on Immunoassay, the largest IVD segment, where an antibody<sup>1</sup> is used to target and detect the presence of certain biomarkers in a sample.
- Industry-leading expertise in developing highly sensitive particle-enhanced turbidimetric immunoassays (PETIA).
- PETIA enables moving immunoassays from low-volume to high-volume clinical analysers.









### Strong demand growth: USD1.8bn market growing 5-10% annually

	Total Addressable Market, USDm	Total Serviceable Market, USDm	Target market share, unrisked	Gentian's revenue take	Serviceable Market annual growth rate, next 4-6 years
Established products	2,200	220	~25%	30-50%	5-10%
GCAL infection (sepsis)	1,000	440	~15%	30-50%	7%
GCAL inflammation	1,250	250	Under evaluation	30-50%	Under evaluation
NT-proBNP	1,700	900	~15%	30-50%	5-10%
Total	6,100	1,810	>15%	30-50%	5-10%

#### IVD market is driven by a growing and ageing population

In 2030, there will be 400 million more people over 60 years than in 2020 – driving demand for diagnostics



### Long-term ambitions rooted in recent progress

Four established products with potential to grow 20%+ annually

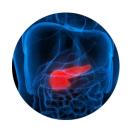
Prove clinical relevance of GCAL and bring NT-proBNP to market

Bring a steady stream of high-impact diagnostic tests to market

Secure one new contract with a global commercial partner per year

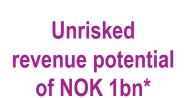
Grow gross margin from ~50% in 2021 to 60%+ at volume production

Long-term EBITDA margins of 40%



















### Several de-risking milestones expected next 12-18 months

	ESTABLISHED PRODUCTS	GCAL	PIPELINE PRODUCTS
ES	Targeting additional large and medium size commercial partners globally  Achieve additional regulatory approvals	Clinical studies confirming patient outcomes and relevance for the early detection of infections, which supports the avoidance of sepsis as well as diagnosis of inflammatory diseases	Successful optimisation of NT-proBNP  Securing endorsements of the assay from key opinion leaders
MILESTONES		Securing endorsements from key opinion leaders and inclusion in clinical guidelines  Securing further global commercial	Obtain progress on global commercial partnerships  Finalise proof of concept of two new projects
		partnerships with phased regional rollout	Identify and confirm opportunities in exploration phase

Aiming to bring a steady stream of high-impact diagnostic tests to the market and all the way to commercial success



### **P&L** highlights

MNOK	1Q23	1Q22	2022	2021
Sales	31.4	20.6	101.6	83.1
Other revenues	2.2	2.5	10.3	16.9
Total revenues	33.6	23.1	111.9	100.0
COGS	-15.0	-11.6	-52.6	-43.2
Employee benefit expenses	-11.8	-8.5	-40.9	-39.5
D&A	-2.4	-2.1	-10.2	-7.4
Other OPEX	-7.3	-7.1	-31.4	-32.8
EBITDA	-0.5	-4.2	-13.0	-15.5
EBIT	-2.9	-6.2	-23.2	-22.8



### **Cash flow highlights**

MNOK	1Q23	1Q22	2022	2021
Operating activities	-3.3	-11.4	-14.0	-27.1
Investing activities	-1.1	-2.2	-14.7	-12.8
Financing activities	-1.1	-1.1	-4.3	-3.1
Changes in cash and cash equivalent	-5.5	-14.8	-33.0	-43.0
Cash and cash equivalent at the beginning of period	81.6	114.9	114.9	158.0
Cash and cash equivalent at the end of period	76.0	100.2	81.6	114.9



### **Balance sheet highlights**

Assets	2023	2022
All numbers in MNOK	31 March	31 March
Intangible assets	27.2	26.4
Total non-current assets	48.2	44.7
Inventory	39.1	31.4
Accounts receivables	22.0	25.8
Cash and cash equivalents	76.0	100.2
Total current assets	137.2	157.5
Total assets	185.4	202.2

Equity and liabilities	2023	2022
All numbers in MNOK	31 March	31 March
Total paid-in equity	311.4	307.5
Retained earnings	-157.2	-139.1
Total equity	154.2	168.4
Accounts payable	19.9	19.3
Total liabilities	31.2	33.8
Total equity and liabilities	185.4	202.2



### Management team



CEO Hilja Ibert

25+ years' experience from the international diagnostic industry, including VP International Diagnostic Solutions at Hologic and senior positions within Becton Dickinson and bioMerieux. She was previously the CEO for miDiagnostics in Belgium. Dr. Ibert holds a PhD degree in Nutrition Science from the University of Bonn, Germany.



Consulting Founder Erling Sundrehagen

Erling Sundrehagen, cofounder of Gentian, holds 25 int. patents. He has headed the development of a dozen diagnostic products, creating businesses with NOK 1bn+ revenue. Dr. Sundrehagen held management positions in Axis-Shield, Axis Biochemicals and Axis Research, and is dr.med. & cand.real from University of Oslo. Norway.



CFO & COO Njaal Kind

20+ years experience and extensive track-record from financial management and reporting, corporate governance and Investor Relations. Mr. Kind has served as the CFO for TiZir, UK, Business Analyst in Eramet Comilog Manganese, France, and Investment Director in Tinfos. Kind holds a MSc from BI Norwegian Business School.



CCO Markus Jaquemar

30+ years experience in life science and diagnostics commercialisation and marketing. He held marketing, sales and business management positions at Beckman Coulter, Agilent Technologies and Becton Dickinson. He holds a Master's degree in Biology from Vienna University, Austria.



CSO Alexandra Havelka

Extensive experience in laboratory medicine. She was previously Biochemist and Unit Manager at Karolinska University Laboratory, with research focusing on biomarkers for inflammation and infection. Dr Havelka holds a PhD in Experimental Oncology from Karolinska Institute in Stockholm, Sweden.



VP R&D
Torsten
Knüttel

18+ years' experience from the diagnostic industry and commercial supply chain. His background includes OEM/B2B business development at Thermo Fisher Scientific and development and production at GE Healthcare. He holds a PhD in Chemistry from the Leibniz University Hannover, Germany.



VP QA & RA
Anne-Mette
Horsrud Akre

20+ years of pharma industry experience, including production of pharmaceuticals and medical devices, quality management and assurance and management positions at GE Healthcare and Fresenius Kabi. She holds a Msc in Biotechnology from the Technical University of Trondheim, Norway.



VP BD Jack Andreassen

20+ years of experience from sales, market and business development from the global diagnostics industry. He was previously Associate Director, Global Market Development for OEM at Thermo Fisher. He holds a Msc in Chemistry, Biochemistry/ Molecular Biology from the University of Oslo, Norway.



### **Board of directors**

#### Tomas Settevik

### Chair of the Board

Tomas Settevik has experience in both life sciences and retail and is currently an independent investor and non-exec director in several companies. He was previously CEO of Stokke, and CEO of Pronova BioPharma after serving as Vice President Pharmaceuticals and Manufacturing, Mr. Settevik has also held several senior positions -VP Northern Europe, VP Marketing and R&D, and Managing Director UK/Nordic - at Tyco Healthcare EMEA. Mr. Settevik holds a degree from Copenhagen Business School.

### Espen T. Jørgensen

#### Board member

Espen Tidemann Jørgensen is currently Portfolio Manager of Holta Invest and Managing Director of Holta Life Sciences, a large shareholder in Gentian Diagnostics. He has 18 years of financial markets experience as equity analyst at DNB Markets and investor. Mr. Jørgensen was previously member of the Board of Directors at Weifa and Cortendo, and is currently board member at Decisions. Mr. Jørgensen holds a Msc in Economics and has completed 3 years of Medicine studies at the University of Oslo.

#### Kari E. Krogstad

#### Board member

Kari Krogstad has more than 25 years of experience from the biomedical industry, from commercial leadership roles within the pharma, biotech and medtech sectors. Ms. Krogstad has held her current role as President and CEO at Medistim ASA since 2009. She was previously General Manager at Invitrogen Dvnal, Ms. Krogstad holds a Cand. Scient. degree in Molecular Biology from the University of Oslo as well as a Business degree from IHM Business School.

#### Kjersti Grimsrud

#### Board member

Kjersti Grimsrud is currently President and COO of Infusion care at Convatec plc, where she has spent the last 5 years. She has over 30 years' experience in MedTech and IVD companies with roles in science, operations and commercial in Axis-Shield ASA and Alere Inc./Abbott, where she last held the position of VP Commercial FMF (Europe Middle East) and International (APAC). Ms Grimsrud served as a board member of Biotec Pharmacon (now ArcticZymes technologies) from 2011 to 2015. Ms. Grimsrud holds a master's degree in biotechnology Norwegian University of Science and Technology in Trondheim.

#### Fredrik Thoresen

#### **Board member**

Fredrik Thoresen is a partner in Andenaesgruppen where he joined in 2021. Mr. Thoresen has previous buy- and sell-side experience from Storebrand, SEB, DNB and Sector Asset Management, Mr. Thoresen has an MBA in International Business from Middlebury Institute of International Studies, Monterey. California and a bachelor's degree in Computer Science and Economics from Augustana University, Sioux Falls, South Dakota

#### Monika Neuman

#### Board member

Monika Neuman has 20 years of experience from the diagnostics industry and is currently Managing Director for Sarstedt Group in the Nordics. During the past 4 years, Ms. Neuman has been working at Siemens Healthineers **Laboratory Diagnostics** HQ in Tarrytown, NY. to set a successful strategy for launch and implementation of a new product portfolio on the global IVD market. Ms. Neuman holds a MSc degree in Biochemistry and a PhD degree in Clinical Bacteriology from Medical Faculty at Göteborg University in Sweden.

#### Frank Frantzen

#### Board member

Frank Frantzen has more than 35 years of experience from the diagnostic industry. He has served as principal scientist and has directed larger R&D units in international IVD companies Axis-Shield. Alere and Abbott. Mr. Frantzen left his Senior Director R&D position at Abbott in 2021 and is currently serving as Chief Technology Officer in CardiNor AS. Mr. Frantzen holds a master's degree in chemistry and a PhD, both from the Norwegian University of Science and Technology in Trondheim.



### **Top 20 shareholders**

Shareholder	No of shares	%
Vatne Equity AS	2 110 224	13.68 %
Kvantia AS	1 623 368	10.53 %
Holta Life Sciences AS	1 214 702	7.88 %
Verdipapirfondet Delphi Nordic	987 104	6.40 %
Safrino AS	749 700	4.86 %
Carpe Diem Afseth AS	532 589	3.45 %
Skandinaviska Enskilda Banken AB	499 315	3.24 %
Verdipapirfondet DNB SMB	361 291	2.34 %
Verdipapirfondet Storebrand Vekst	331 220	2.15 %
J.P. Morgan SE	325 000	2.11 %
Portia AS	300 000	1.95 %
Intertrade Shipping AS	257 716	1.67 %
Cressida AS	235 000	1.52 %
Verdipapirfondet Equinor Aksjer NO	227 880	1.48 %
Lioness AS	220 000	1.43 %
Krefting, Johan Henrik	213 800	1.39 %
Marstal AS	212 407	1.38 %
Mutus AS	210 465	1.36 %
Salix AS	208 954	1.35 %
Vingulmork Predictor AS	184 083	1.19 %
Other Shareholders	4 417 532	28.64 %
Total shares	15 422 350	100 %

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