

# Q4 22 Presentation

**February 16<sup>th</sup>, 2023** 

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The growing diagnostic market puts increasing pressure on laboratories. Still, many of the existing, clinically relevant biomarkers are only available on slow and inefficient platforms.

By converting biomarkers to the most efficient automated, high-throughput analysers, Gentian contributes to saving costs and protecting life.

gentian



## 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



# 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>	TOTAL		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	
	10%	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	Avoidance of underestimation of NT-proBNP due to glycosylation	
<ul><li>Pancreas</li></ul>		fPELA	Diagnosis of pancreatic elastase insufficiency in combination with fCAL	Reducing time-consuming and costly colonoscopy	



# USD 1.8bn global serviceable market estimated to grow by 5-10% annually next 4-6 years

	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%

Key risks to target market shares include market adoption rates for GCAL, and successful launch of NT-proBNP



## **Progress made on NT-proBNP**



#### **About NT-proBNP**

Measuring NT-proBNP levels in plasma supports diagnosis of congestive heart failure. The Gentian assay will be the first test of its kind available on high-throughput analysers which should increase laboratory productivity and reduce overall costs. Additional benefit may include addressing the underestimation issue caused by glycosylation.

- No new technical challenges identified
- Tested additional clinical samples using the working prototype which confirmed the hypothesis that the glycosylation of the NT-proBNP molecule can lead to an underestimation of true NT-proBNP concentrations
- A simpler and more efficient calibration method has been developed
- Calibration strategy aims to achieve cut-off levels that are equivalent to established market standards and address the issue of underestimation caused glycosylation
- Received positive and continued interest from IVD companies as potential partners



## Dedicated and experienced 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.









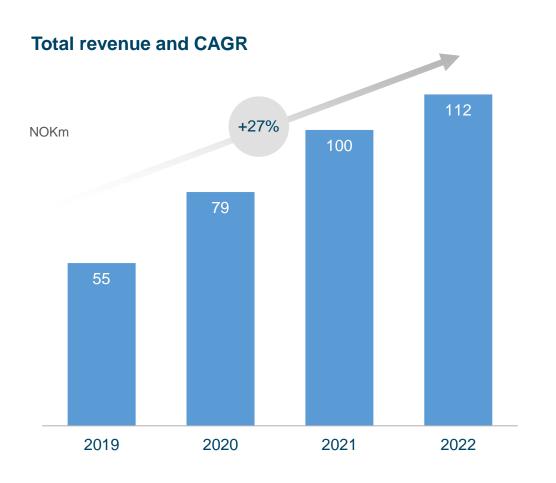








# Solid progress on sales growth and partnerships with leading global diagnostic companies



#### 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





## Increased distribution supporting long-term growth

#### 4Q22 financials and key milestone

#### Sales MNOK 27.9

+28% vs 4Q21

# EBITDA MNOK -1.5

MNOK -8.5 in 4Q21

# Gross margin 50%

48% in 4Q21

# New GCAL distribution agreement

#### **Highlights**

- Sales of MNOK 27.9 in Q4 22, up 28% (23% organic growth) from 4Q21
- Full-year sales revenue increased 22% to MNOK 101.6 (21% organic growth) in line with the company's long-term growth target
- EBITDA was MNOK -1.5 in 4Q22. EBITDA for the full year was MNOK -13.0.
- US patent for NT-proBNP
- Four strategic distribution agreements with major global IVD companies achieved in 2022, including one announced in 4Q for GCAL



## Continued high sales growth in line with target

- 4Q22 sales up 28% (+23% organic) vs 4Q21, in line with the target of 20%+ annual sales growth from established products
- Growth was mainly driven by increased demand for inflammation diagnostics in Europe
- Total revenues of NOK 30.8 m in the quarter, up 24% from 4Q21
- Other revenues related to amounts received from associated research grants and tax incentives, which was lower in the quarter due to completion of development projects

# NOKm 3 3 2 3 2 21 30 28 4Q21 1Q22 2Q22 3Q22 4Q22 Sales Other revenues

#### Sales - geographic split

MNOK	4Q22	4Q21	2022	2021
US	1.1	0.5	6.5	2.5
Europe	19.5	13.6	71.5	55.6
Asia	7.3	7.6	23.6	25.0
Total	27.9	21.7	101.6	83.1

#### Sales - product split

MNOK	4Q22	4Q21	2022	2021
Cystatin C	9.4	10.5	40.0	36.2
fCAL®turbo	11.7	5.8	36.3	28.0
Other	6.8	5.4	25.3	18.9
Total	27.9	21.7	101.6	83.1



## Stable cost development

NOKm



MNOK	4Q22	4Q21	2022	2021
Sales and marketing expenses	6.3	4.1	21.5	15.1
Administration expenses	5.8	13.3	28.0	32.8
Research and development expenses	6.4	5.5	22.8	24.4
Total	18.5	22.9	72.3	72.3

- Total other operating expenses after capitalisation of R&D expenses was MNOK 19.5 in 4Q22, down 19.0% compared to 4Q21
- Sales and marketing expenses increased in line with higher sales
- Admin expenses in 4Q21 was impacted by a non-recurring cost of MNOK
   4.4 related to the implementation of a new ERP system
- Capitalised R&D expenses was MNOK 1.7 in 4Q22 compared to MNOK 4.0 in 4Q21



## **Investing to scale**

#### 4Q22 balance sheet and cash flow

## Cash MNOK 81.6

MNOK 114.9 in 4Q21

# Capex MNOK 1.1

MNOK 2.6 in 4Q21

# **FCF MNOK -11.6**

MNOK -15.7 in 4Q21

# Equity ratio 82.1%

82.2% at year-end 2021

#### Free cash flow positive pre-R&D

#### **Capital priorities**

- OPEX of MNOK 72.3\* and capex of MNOK 14.8 in 2022
- OPEX will increase as total number of products are launched and sales grow – limited increase in capex
- Cost base consisting mainly of personnel
- Long-term net working capital/sales assumed at ~30%, down from ~40% currently

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## Long-term ambitions rooted in recent progress

Four established products with potential to grow 20%+ annually

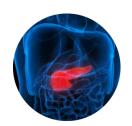
Prove clinical relevance of GCAL and bring NT-proBNP to market

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

Secure one new contract with a global commercial partner per year

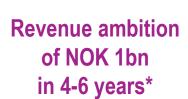
Grow gross margin from ~50% in 2021 to 60%+ at volume production

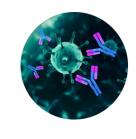
Long-term EBITDA margins of 40%



















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

	ESTABLISHED PRODUCTS	GCAL	NT-PROBNP	PIPELINE
MILESTONES	Targeting additional large and medium size commercial partners globally  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  Securing endorsements from key opinion leaders and inclusion in clinical guidelines  Securing further global commercial partnerships with phased regional rollout	Successful optimisation of the assay  Securing endorsements from key opinion leaders  Obtain progress on global commercial partnerships	Finalise proof of concept of two new projects  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







# Gentian Diagnostics develops and supplies innovative and efficient reagents for the clinical diagnostics market

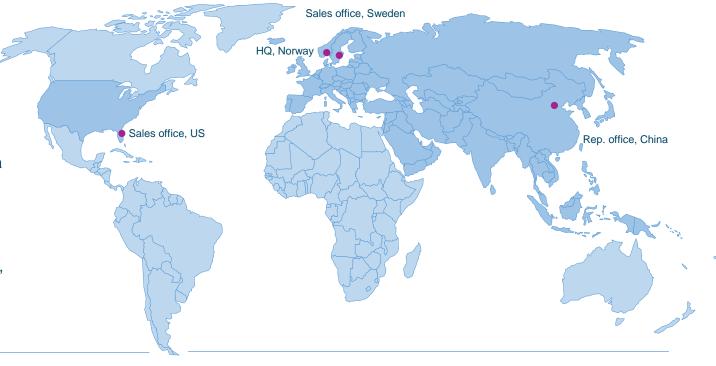
 Gentian serves the global market for human and veterinary clinical diagnostic tests

 Expertise and focus within immunochemistry, specifically in the disease areas infection, inflammation, kidney failure and congestive heart failure

 Gentian's innovative and efficient reagents can be used on all major clinical chemistry analysers, meaning no extra investments are required by the customer

 Sales mainly through global commercial partners, which are serving the laboratories being the end users

4 established products, 2 products in market development,
1 in product development and 2 projects in 'proof of concept'



Founded

2001

**Employees** 

~50

Total revenue 2022

**MNOK 112** Up 12%

Oslo listing

**OSE: GENT** 

Market cap

~BNOK 0.6



# How Gentian contributes to efficient diagnostics for better treatment decisions



#### The industry challenge



A growing diagnostics market puts increasing pressure on clinical laboratory efficiency

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

Hours from initiation of analysis to results



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



Particle-enhanced turbidimetric immunoassays (PETIA) based on proprietary nanoparticle technology and knowhow

Converting existing biomarkers to the most efficient automated, high-throughput analysers

10 minutes from initiation of analysis to results



#### **High-value benefits**



3-10x higher throughput significantly improves laboratory productivity and cost-efficiency

Early disease detection and faster availability of clinically relevant information leads to better treatment decisions



# Combining avian antibodies and PETIA enables fast results and improved lab productivity

#### **Avian antibodies**

Avoiding interference enables conversion to PETIA

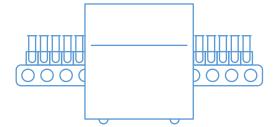
**Antibodies:** Proteins used by the immune system to identify bacteria and viruses

**Avian antibodies:** Extracted from hen eggs. Avoids interference due to lack of complement system binding antibodies and molecules, enabling analysis at lower concentrations than mammalian antibodies and conversion of existing biomarkers to PETIA

**Advantages:** Gentian uses avian antibodies when applicable and believes extraction from eggs rather than puncturing animals contributes to better animal welfare while also offering a cost advantage at scale

#### **PETIA**

Removing separation steps increases throughput and reduces cost



**Immunoassays:** Biochemical tests measuring molecule presence or concentration in human cells using an antibody

Particle-enhanced turbidimetric immunoassays: Enables moving immunoassays from low-volume to high-volume clinical analysers

**Advantages:** Moving immunoassays to PETIA enables removing separation steps, which increases throughput and laboratory efficiency compared to the traditional ELISA and other methods



## Structured approach to product development

Phases	PROOF OF CONCEPT	OPTIMISATION	VERIFICATION	VALIDATION	LAUNCH
Key actions	Technical feasibility demonstrated, project plan and budget approved	Prototype developed and risk assessment performed	Prototype formally evaluated against specifications, approved by QA function	Final product tested against customer needs and regulatory requirements in clinical studies; certified for EU	Product made available to customers through direct sales and commercial partners
					Cystatin C
					• fCAL
					• GCAL
	<ul><li>Project 1</li></ul>	<ul><li>NT-proBNP</li></ul>			<ul><li>Canine CRP</li></ul>
	<ul><li>Project 2</li></ul>				• fPELA
					• SARS-CoV-2 Ab
CHANCE OF LAUNCH	50%+	~70%	~80%	~90%	100%



# Diversified sales model to ensure broad market access and maximize penetration



#### Global diagnostics companies

- Gentian's main strategy to secure broad roll-out and acceptance of product
- Beckman Coulter and Bühlmann/Roche
   Diagnostics are current partners falling into this
   category
- Ambition to secure one new contract with global commercial partner per year



#### **Specialized/local distributors**

- Accelerating time to revenue and awareness
- Distribution agreements in several European countries and South Korea for GCAL, Cystatin C and Canine CRP



#### **Healthcare providers**

- Direct sales to select end-users and key opinion leaders, including laboratory and hospitals
- Sales representatives in US, Sweden and HQ in Norway
- Sales office in Sweden distributes Gentian and Bühlmann Laboratories complimentary products



# **P&L** highlights

MNOK	4Q22	4Q21	2022	2021
Sales	27.9	21.7	101.6	83.1
Other revenues	3.0	3.2	10.3	16.9
Total revenues	30.1	24.9	111.9	100.0
COGS	-13.8	-10.6	-52.6	-43.2
Employee benefit expenses	-10.3	-12.3	-40.9	-39.5
D&A	-2.8	-1.0	-10.2	-7.4
Other OPEX	-8.2	-10.6	-31.4	-32.8
EBITDA	-1.5	-8.5	-13.0	-15.5
EBIT	-4.3	-9.5	-23.2	-22.8



# **Cash flow highlights**

MNOK	4Q22	4Q21	2022	2021
Operating activities	-10.5	-13.1	-15.5	-27.1
Investing activities	-1.1	-2.6	-14.8	-12.8
Financing activities	-0.1	-0.1	-2.7	-3.1
Changes in cash and cash equivalent	-12.4	-16.5	-33.0	-43.0
Cash and cash equivalent at the beginning of period	93.9	131.3	114.9	158.0
Cash and cash equivalent at the end of period	81.6	114.9	81.6	114.9



### **Gentian board**

#### Tomas Settevik

#### Chair of the Board

Tomas Settevik has experience in both life sciences and retail and is currently an independent investor and nonexec 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 Tvco 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 vears of Medicine studies at the University of Oslo.

#### Tomas Kramar

#### Board member

Mr. Kramar has more than 40 years of experience from the diagnostic industry including Siemens, Abbott and Roche Diagnostics, Mr. Kramar has held several senior positions like Global Business Manager, **Business Director** and CEO, as well as being a founding partner in the Kramar Group. In addition, Mr. Kramar has held several board positions over the years. Mr. Kramar holds an MSc degree in Chemistry from the Faculty of Engineering at Lund University in Sweden.

#### 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 CFO at Medistim ASA since 2009. She was previously General Manager at Invitrogen Dynal, 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.

#### Susanne Stuffers

#### Board member

Susanne Stuffers is currently managing partner of P53 Invest AS. Previously she was an equity analyst with Arctic Securities covering the healthcare sector, and management consultant at EY. Ms. Suffers has held medical and commercial roles at Novartis and has had clinical practice as a resident in oncology at OUS Ullevål. Ms. Stuffers holds an M.D. degree from the **Erasmus University** Rotterdam and a Ph.D. degree in cancer biomedicine from the Norwegian Radium Hospital.

#### Fredrik Thoresen

#### Board member

Fredrik Thoresen is a partner in Andenaesgruppen where he joined in 2021. Mr. Thoresen has previous buyand 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	973 999	6.32 %
Safrino AS	800 000	5.19 %
Skandinaviska Enskilda Banken AB	492 150	3.19 %
Salix AS	363 235	2.36 %
Verdipapirfondet DNB SMB	361 291	2.34 %
Verdipapirfondet Storebrand Vekst	341 484	2.21 %
J.P. Morgan SE	325 000	2.11 %
Portia AS	300 000	1.95 %
Equinor Pensjon	245 047	1.59 %
Krefting, Johan Henrik	236 500	1.53 %
Cressida AS	235 000	1.52 %
Verdipapirfondet Equinor Aksjer NO	227 880	1.48 %
Carpe Diem Afseth AS	221 797	1.44 %
Lioness AS	220 000	1.43 %
Marstal AS	212 407	1.38 %
Mutus AS	210 465	1.36 %
Vingulmork Predictor AS	184 083	1.19 %
Other Shareholders	4 523 718	29.33 %
Total shares	15 422 350	100 %

