geneType

GeneType Presentation
Half Year Update

February 24, 2022

Authorised by the Board of Directors of Genetic Technologies Limited

ASX: GTG
NASDAQ: GENE

Notice: Forward looking statements

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Our Overview

Our Vision and Values
Unlocking personalised preventative health

Our Markets & Global Presence
Expansion to over 40 countries

Our Market Opportunity
Go-to-market and growth pathways

Our Channels & Divisions
Segmentation and distribution channels

Our Portfolio & Innovation
Cutting edge technology & 'game changing' partnerships

Our Focus
Aligning our capability to execution

Genetype Vision

Unlocking personalised preventative health

Our Mission

Transform the conversation, transitioning from a one-size-fits-all model to personalised, predictive health assessment – where each person has the information, they need to manage their health according to their own risk.

Backed by over 20 years of experience, our doctors, scientist and technicians are translating genetic information into multi-tests that uniquely combine genetic and clinical risk models to predict risk of chronic diseases before onset.

Significant progress has been made in understanding the role of hereditary risk in chronic disease, however, many chronic conditions cannot be predicted by this risk alone.

Empowering physicians to improve health outcomes for people around the world. Tracking disease to its source and enabling a new era of personalised medicine.

Patented integrated risk testing for a range of serious conditions.

Genetype tests integrate individual's familial, clinical and genetic information into actionable clinical insights.

Combining genetic and clinical risk models with cutting-edge research, we're leading a personalised healthcare revolution.

Our medical practitioners, scientists and technicians are working to develop the next generation of integrated predictive genetic testing and assessment tools – empowering physicians and patients to proactively manage health.

- ✓ 8 Patents granted in the US
- ✓ 5 Patents granted in China
- ✓ 5 Patents granted in Hong Kong
- ✓ 9 Patent families pending

Global Overview

54
Employees globally

40
Countries

27
Patents Granted (9 Pending)

14
Test Categories

51
Tests

12
Partner Laboratories

Key Geographies and Collaborators

Genetype and EasyDNA Established in 40 countries with 12 established partnerships

United States

geneType® Polygenic Risk Score (PRS) tests for breast, colorectal cancer and COVID-19 Risk Test available through **CLIA** Certified "High Complexity" Laboratories.

Genetype MultiTest[3] approved for Commercial Release by CMS[2] Feb 2022

Europe & UK

EasyDNA available in multiple EU countries and UK

Commencing CE certification enabling EU launch of geneType MultiTest and other Novel genetic risk test in CY2022

Asia
(Inc. SEA, China and India)

EasyDNA available in multiple countries across SEA

Commencing a scoping and Prioritising a market entry strategy into Asia

Australia & New Zealand

Certification by Australian regulators **NATA**, to sell into the Australian market

Genetype MultiTest[3] approved for Commercial Release by NATA[1] Feb 2022

Our Melbourne owned Laboratory is NATA and CLIA certified

[1] National Association of Testing Authorities, Australia
[2] Centers for Medicare & Medicaid Services
[3] GeneType for MultiTest includes Breast, Ovarian, Prostate & colorectal cancers plus Coronary artery disease and Type 2

Our Brand Values

Unequalled experience

Scientific team leveraging their extensive research track record in breast and colorectal to expand our medical-grade genetic test portfolio into further cancers and chronic conditions

Leading integrated technology

The proprietary integration of genomic and clinical risk factors deliver the most complete risk assessments for serious diseases in the world – the foundation of geneType

Relentless innovation

Accelerating the world's transition to personalised, preventative health care by converting genetic data into actionable solutions for consumers and doctors

Setting new standards

Setting clinical, safety and ethical standards to ensure the best health outcomes

genetype's Polygenic Risk Scores (PRS) platform is a proprietary risk stratification platform developed over the past decade integrating clinical and genetic risk delivering actionable outcomes from physicians and individuals

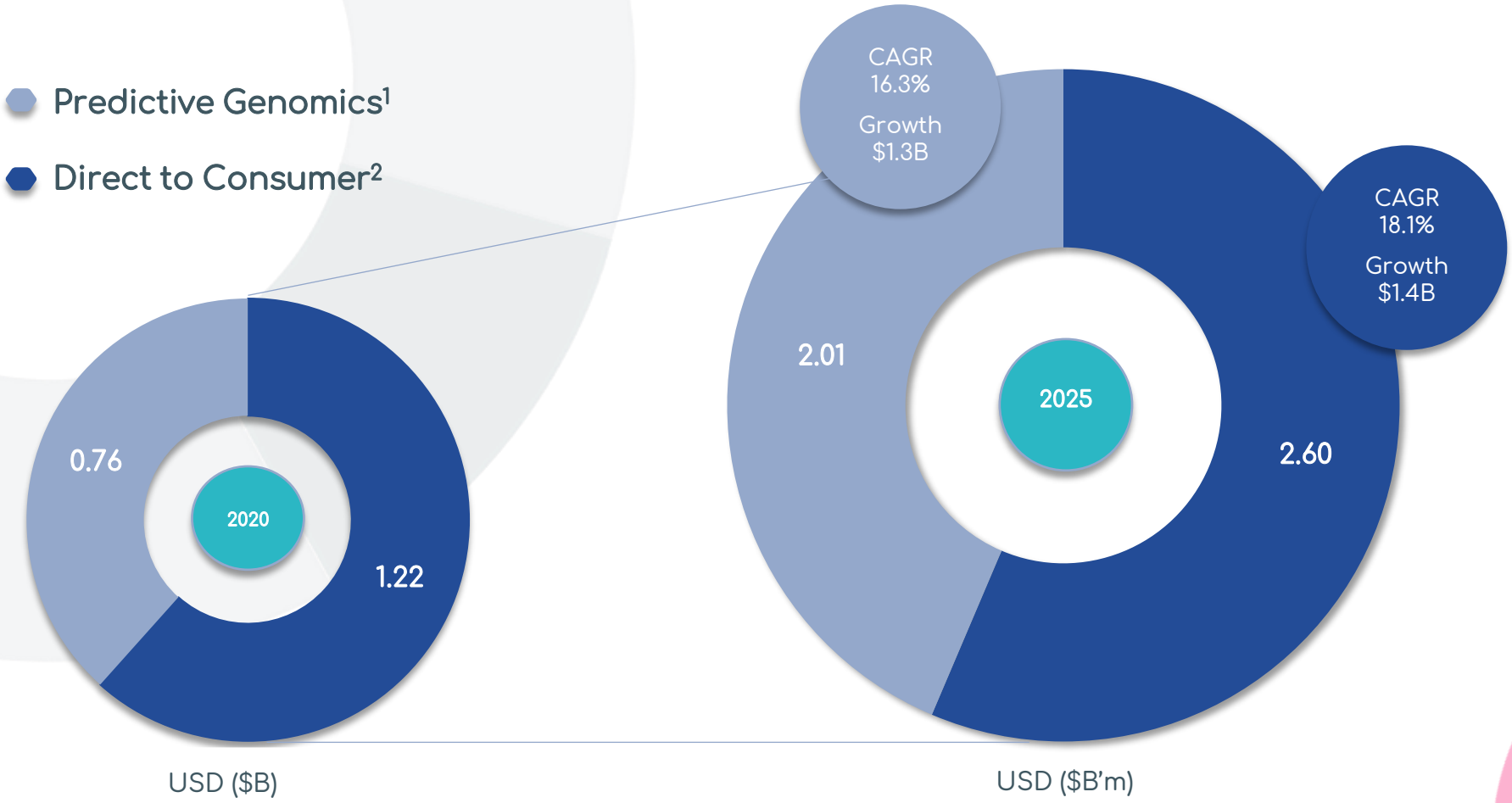
Our Focus

Our 6 Big Plays

- Commercialisation of the geneType suite of multi-tests
- EasyDNA Growth: New Test. New Channels. New Markets.
- Demonstration of clinical validity & clinical utility of geneType t
- Bolster commercial bias to our OPEX
- Talent & capability acquisition
- Innovation: Gene Ventures

Market Size and Opportunity

Estimated Global Revenue growth is USD$2.8B in to 2025



1. Newsire - Predictive Genetics Market Research Report by Type, by Demographics, by Test Type January 6 2022
2. Technavio Market Research reports - Direct-To-Consumer Genetic Testing Market by Distribution Channel, Service, and Geography - Forecast and Analysis 2021-2025

Pathways to Market

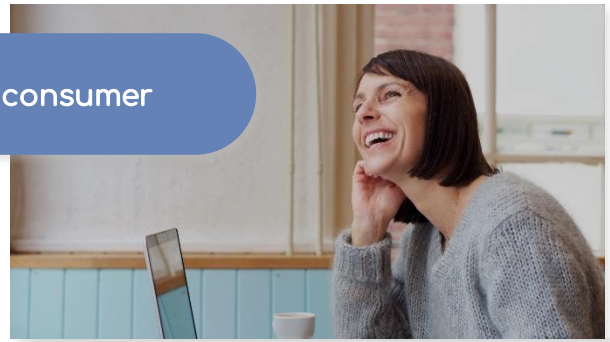
	Direct to Consumer Testing (DTC) with no medical supervision	Consumer initiated testing (CIT) with medical supervision	Medical Business to Business (B2B)
Revenue Drivers	Leveraging the EasyDNA Brand and Platform provides the foundation to grow in 40 countries	Building consumer Awareness of serious disease test via a platform that integrates medical supervision Launched US and Australia CIT platforms in 2020	Health Economic modeling being completed by ALVA10* Certifying reimbursable testing platform: BRCA test & LYNCH Syndrome test
Partners	Agreements with 12 laboratories in North America, AsiaPac and Europe	Medical partners: LimsABC InTeleLabs in the US Phenix Health in Australia	An plan curated for: Payers / Insurers* Primary Care Physicians, Specialists, Surgeons, Allied Health
Products	EasyDNA paternity, ancestry, gut microbiome testing and non-medical related genomic tests EasyDNA	geneType for Breast Cancer geneType for Colorectal Cancer geneType Multi-test geneType	geneType Multi-test BRCA test & LYNCH Syndrome test geneType

* Corporates and Insurance market entry assessment in progress and Health Economic Model being completed by ALVA10.

Pathways to Market

Executing a multi-brand strategy

1 Direct to consumer



EasyDNA

Ancestry
Paternity
Health & Wellbeing
Pharmacogenetics

Animal
Drug testing
Relationship
Covid- Antigen Tests*

2 Consumer-initiated testing
± telehealth support

geneType

Health & Wellbeing- Nutrition
Oncology – MultiTest
Cardiovascular – MultiTest
Metabolic – MultiTest
COVID Rick Test
Pharmacogenomics

3 Healthcare professional requested test

geneType

Oncology – GTG
Cardiovascular
Prenatal
Clinical & Molecular
Metabolic
Taliaz Predictix

*availability upon regulatory approval

Our Innovation
Product Overview

Our Innovation - Multi Test

A companion diagnostic PRS to help identify risk of serious disease for up to 70% of Mortalities and Morbidities

Diseases Areas

Oncology

Breast Cancer
Colorectal Cancer
Prostate Cancer
Melanoma
Pancreatic Cancer
Ovarian Cancer

Cardiovascular

Atrial Fibrillation
Coronary Artery Disease

Mental Health

Taliaz[4]

Metabolic

Type 2 Diabetes

Phase 1 Launch [2]

Phase 2 Launch [3]

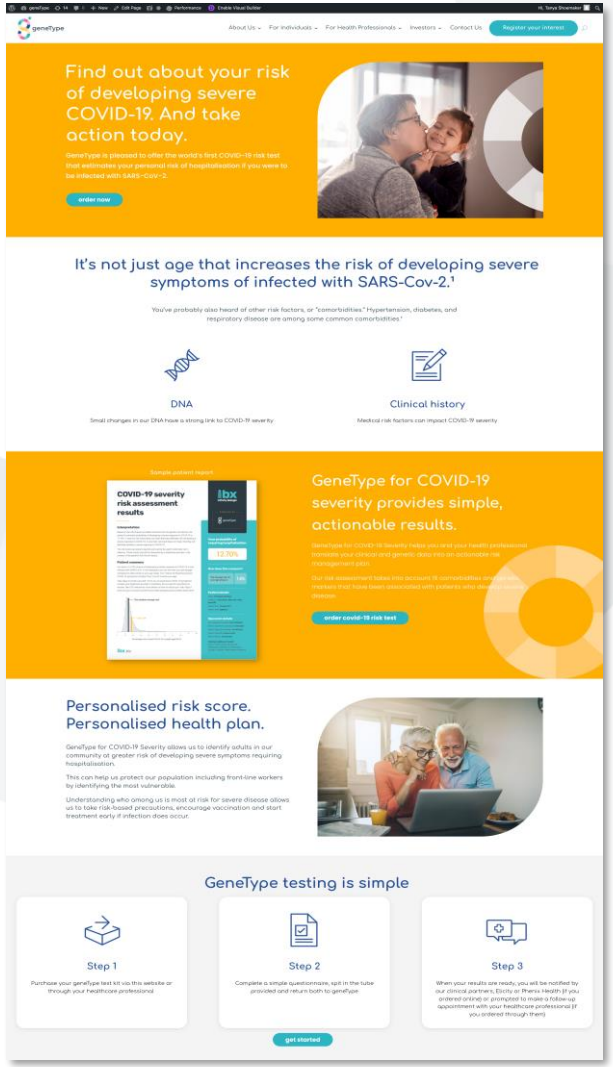
GeneType Multi-test to include >70% of mortality & morbidity

NEW Universal sample collection kit with TGA, FDA and EU regulatory approval[1]

1. TGA, FDA and EU regulatory approval granted to the sponsor, DNA Genotek
2. Commercial availability expected Q1 CY2022
3. Commercial availability upon regulatory approval
4. Product in Markets under license

NEW: Patented[1] Covid Risk Test (US)

https://genetype.com/for-individuals/covid-19



vitagene

1h

ibx infinity biologix

The link goes directly to Vitagene:

https://vitagene.com/products/covid-19-risk-test/

Campaign Insights – January 2022

- 32,360 relevant consumer groups across US with 112k impressions over 3 weeks
- 2,817 clicks to the COVID page with more than half from women aged 45 – 54 years

[1]USPTO - Patent No: US 11,257,569, Methods of assessing risk of developing a severe response to Coronavirus infection - Announce on ASX platform Feb 23, 2022

Divisions of Operations

Existing divisions

Emerging divisions

Oncology
BC, CRC, PC, Melanoma

CVD
(Heart Disease) IHD, AF

COVID-19
Serious disease risk (SDR)

Metabolic diseases
Diabetes

geneType
Genetics for Life

Pharmoco-Genetics & Taliaz
Companion diagnostics

Germline testing
BRCA, Lynch Syndrome and Somatic testing

Carrier Testing
NIPT & Reproductive carrier screening

Lifestyle
Ancestry and Microbiome
EasyDNA

NEW
Universal collection test kit to support Multi Test Launch

NEW Universal sample collection kit with TGA, FDA and EU regulatory approval[1]

BC = Breast Cancer; CRC = Colorectal Cancer; PC = Prostate Cancer; CVD = Cardiovascular Disease; IHD = Ischemic Heart Disease; Atrial Fibrillation
1. TGA, FDA and EU regulatory approval granted to the sponsor, DNA Genotek

GeneType Portfolio Timeline

CIT Platform in AUS and USA selling BRC and CRC

Moderate Revenue CY 2021

COVID Risk Test released for sale with IBX

infinity biologix

vitagene

Relaunched with Vitagene December 2021

Multi Test to provide risk assessment for >50% of all morbidities to launch

Phase 1 - Market Release

- Breast Cancer
- Colorectal Cancer
- Cardiovascular Disease
- Type 2 Diabetes
- Ovarian Cancer
- Prostate Cancer

Commercially[1] Available to HCP's Q1 2022

Multi Test to provide risk assessment for >70% of all morbidities to launch

Phase 2 – Market Release

- Pancreatic Cancer
- Melanoma
- Atrial Fibrillation

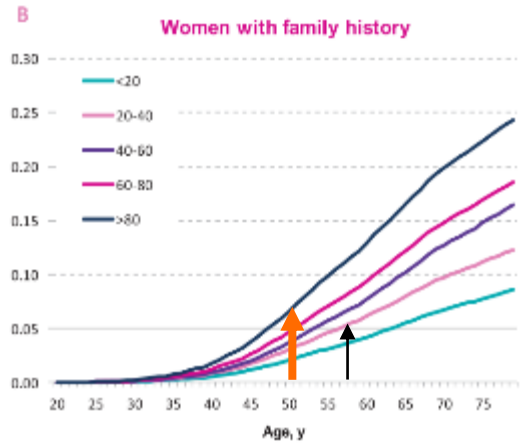
Commercially[1] Available Upon regulatory Approval

December 2020 | May 2021 | Q1 2022 | H2 2022

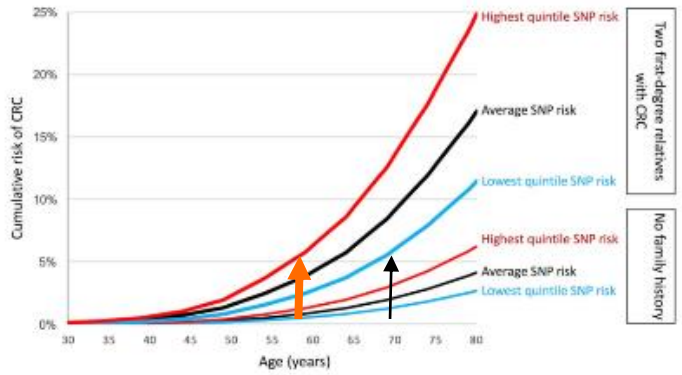
Science and Innovation
Integrated personalised risk assessment

geneType integrates genetic risk and clinical risk to better stratify individual risk. Patients with potentially high risk may exceed actionable clinical guidelines 10 – 15 years earlier than those with low risk [1,2,3]

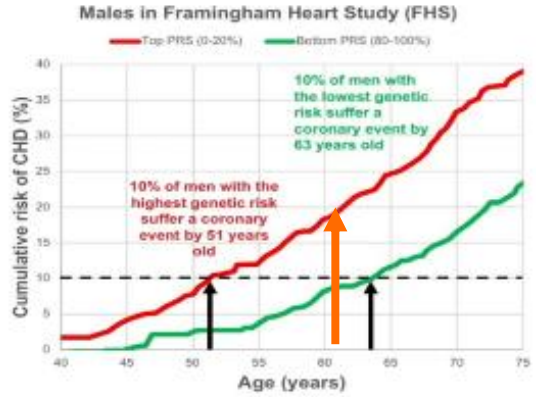
Breast Cancer (BC)[1]



Colorectal Cancer (CRC)[2]



Chronic Heart Disease (CHD)[3]



Low polygenic risk score

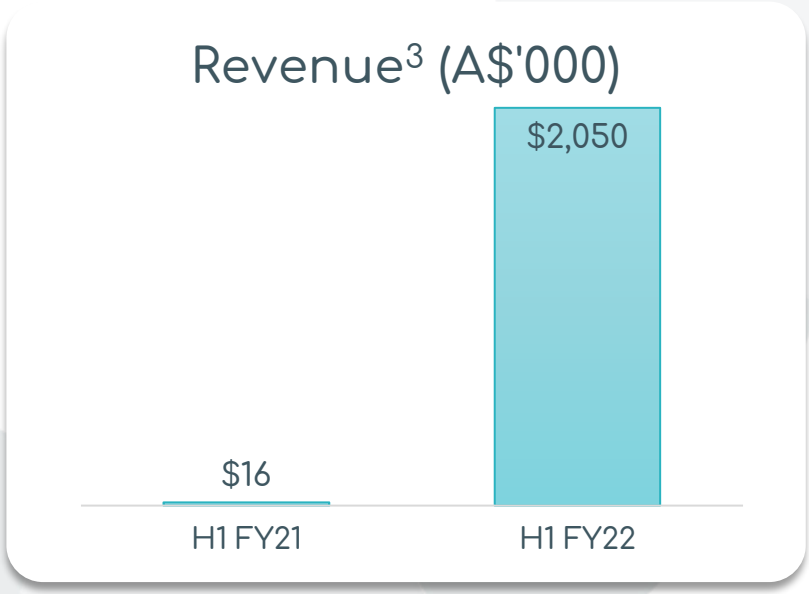
High polygenic risk score

geneType detects patients at an actionable risk of serious disease 10 – 15 years earlier than currently possible. Potentially significantly improving patient outcomes and health economics

[1] Mavaddat et al. (2015) JNCI.
[2] Jenkins et al. (2019) Familial Cancer.
[3] Abraham et al. (2016) Eur Heart J.

Key Operating Insights

Delivering Revenue and Growth



REVENUE
AUD $2.05m

CASH BALANCE
AUD $13.5m

GROSS MARGIN
AUD $855k

GROSS MARGIN
41.7%

Strategic & Operational Highlights

- Post period end, GTG received accreditation from NATA[1] and CMS[2] for the MultiTest on 17 February 2022 with commercial launch currently underway
- US patent No. US 11,257,569 granted in 'Methods of assessing the risk of developing a severe response to Coronavirus infection'.
- Successful acquisition and integration of EasyDNA staff and GTG's products being available on a global platform with a significantly higher market exposure

[1] National Association of Testing Authorities, Australia
[2] Centers for Medicare & Medicaid Services
3 Revenue for the half-year ending December 31, 2021

Marketing Performance

Digital Brand Performance (Last Month)

115,710
BRAND IMPRESSIONS (+197%)

2,816
CLICKS: ADS + SOCIAL (+186%)

2,846
SOCIAL MEDIA ENGAGEMENTS (+200%)

9,032
WEBSITE VISITS (+64%)

Lead Generation (Last Month)

113
CONTACT FORM SUBMISSIONS

3
HCP PARTNERSHIP FORM SUBMISSIONS

19
NEWSLETTER SIGNUPS

61
'REGISTER INTERST' FORM SUBMISSIONS

Growth strategy for EasyDNA

PHASE 1
Brand Re-Ignition

Brand Refresh

Multi-brand Portfolio

EasyDNA Brand Refresh

Test Rationalization

Website Refresh

Website Development

First-party data collection

Targeted Messaging

Improve User experience and engagement

PHASE 2
Revenue and Growth Focus

Improved Lead Gen

Google Ads
Facebook Ads

Content & Email Marketing

Influencer Marketing & Testimonials

New Sales Channels

Amazon store front

Target B2B customer segments

New Markets

2021 Snapshot and Achievements

Signed multi-year distribution agreement

- ✓ License and distribution agreement for COVID-19 Risk Test with IBX
- ✓ Expanded Covid risk test distribution with 1Health and Vitagene
- ✓ Launched tests on CIT in USA & AUS[1]

New Multi-test pathway to launch

- ✓ New Multi-test technical validation complete and submitted to NATA and CMS for final regulatory approval
- ✓ Covering up to 70% of mortalities and morbidities

Acquired revenue generating platform

- ✓ Acquired EasyDNA for US$4m in cash and script
- ✓ A global platform to launch new geneType products[3]

Robust patient portfolio & clinical credibility

- ✓ 17 patents granted
- ✓ 9 patent families pending
- ✓ Multiple peer-reviewed publications and
- ✓ Collaborations with 4 prestigious academic and medical establishments

Focused on R&D collaborations and Innovation

- ✓ African American Breast Cancer Research Collaboration with Professor Colditz at Washington State University
- ✓ 2021 San Antonio Breast Cancer Symposium
- ✓ American Academy of Anti-Aging Medicine (A4M
- ✓ Nurses Health Study (NHS)

Solid balance sheet

- ✓ A$13.5million cash balance
- ✓ 22-month runway to drive execution[2]

1. GeneType for Breast Cancer and Colorectal Cancer certified for sale via online sales platform.
2. Runway based on current cash projections and including the acquisition of EasyDNA
3. Subject to local regulatory requirement

Summary

Summary

Our 6 Big Plays

- Commercialisation of the geneType suite of multi-tests
- EasyDNA Growth: New Test. New Channels. New Markets.
- Demonstration of clinical validity & clinical utility of geneType
- Bolster commercial bias to our OPEX
- Talent & capability acquisition
- Innovation: Gene Ventures

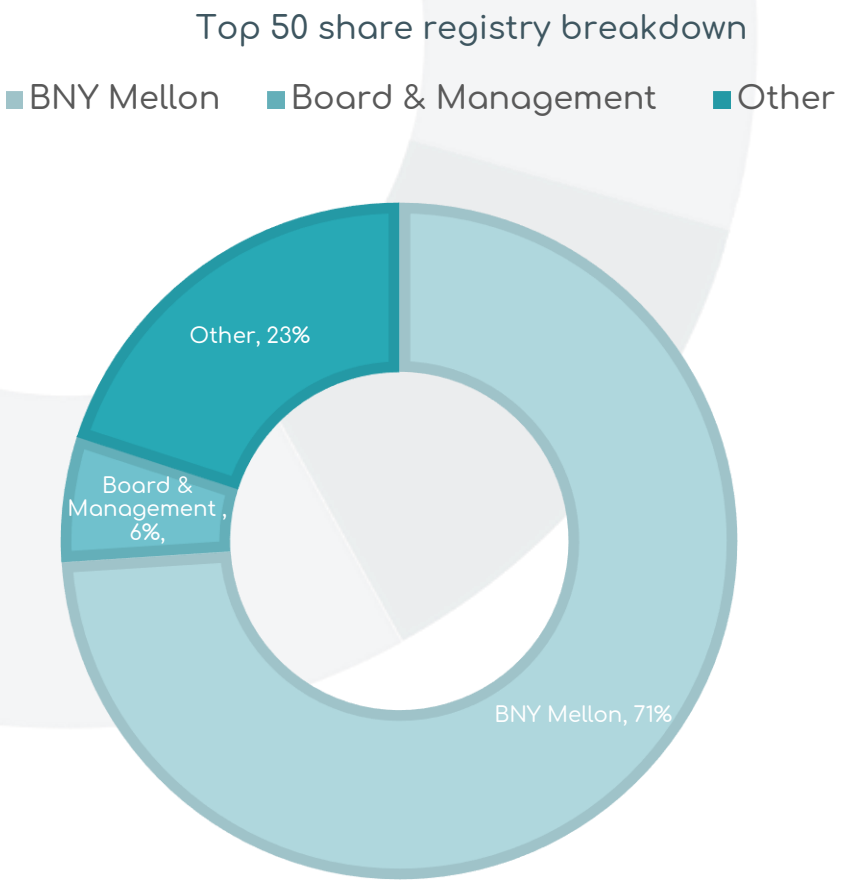
Thank you

Investor Relations - AUS
Stephanie Ottens
Market Eye
+61 434 405 400
stephanie.ottens@marketeye.com.au

geneType

Appendices

Corporate Overview



Dual Listed on the ASX and Nasdaq

Financial Information	
Share price (AUD) as at 23 February 2022	0.5c
ADR price (USD) as at 23 February 2022	$1.91
Ord Shares on Issue (M)	9,234
ASX 52-week trading (AUD low/high)	0.4/1.2c
Nasdaq 52-week trading (USD low/high)	1.70/5.74
Market Cap (AM/USM)	**46.13/39.77**
Cash at 31 December 2021	A$13.5m
Cash at 30 September 2021	A$15.7m
Debt (30 September and 31 December 2021)	nil

Financial Overview

- Cash burn of A$2.2 million in Q2 FY'22 (compared to Q1 FY'22: A$1.9 million) as we continue to grow EasyDNA brand sales and develop and commercialize our geneType tests
- Cash reserves of A$13.5 million after EasyDNA acquisition costs of A$3.5 million give 22 month[1] runway to:
  - Support the introduction and distribution of new geneType products in the United States and Europe
  - Develop the direct-to-consumer sales channel through EasyDNA
  - Reimbursement studies for the polygenic risk tests;
  - Introduction of germline testing division;
  - General product research and development; and
  - For general working capital and potential acquisitions.

A$'000	30 Sep 2021	31 Dec 2021	Change
Net operating cashflow	(1,939)	(2,157)	(11%)
Receipts from customers	850	1,809	113%
Research and Development and Staff costs	1,321	1,313	1%
Cash	15,742	13,509	(14%)

[1] Based on cashflow projections

Board and Management:
Sales and Scientific expertise leading GTG

Mr. Peter Rubinstein
BEc, LLB
Chairman - Non – Executive Director

Simon Morriss
GAICD
Chief Executive Officer

Richard Allman
BSc, PhD
Chief Scientific Officer

Dr. Lindsay Wakefield
MBBS
Non – Executive Director

Dr. Jerzy "George" Muchnicki
MBBS
Executive Director & Chief Medical Officer

Mike Tonroe
BSc, FCA, MAICD
Chief Financial Officer

Mr Nick Burrows
B.Com, FAICD, FCA, FGIA, FTIA, F Fin
Non – Executive Director

Erika Spaeth
PhD
Director of Clinical Affairs & Medical Education

Carl Stubbings
Chief Commercial Officer

Strong Scientific Leadership: Advisory Board

Professor Jon Emery

MBBCh MA DPhil FRACGP MRCGP
Research & Education Lead, Primary Care Integration, Victorian Comprehensive Cancer Centre Herman Chair of Primary Care Cancer Research, University of Melbourne

Professor Finlay Macrae AO

MBBS, MD, FRACP, FRCP, AGAF MWGO is Principal Fellow and Professor, Department of Medicine, University of Melbourne, and Head of Colorectal Medicine and Genetics, The Royal Melbourne Hospital

Ora K. Gordon, M.D.

MD, MS, FACMG
Regional Medical Director, Center for Clinical Genetics & Genomics. Clinical Director, PSJH Population Health Genomics Program. Chair, Integrated Network Cancer Program, Professor of Genetics, St John Cancer Institute

A.Prof Ron Dick

MBBS, FRACP, FCSANZ, Chairman of Cardiovascular Institute at Epworth Healthcare, an Honorary Cardiologist at the Alfred Hospital and Bendigo Healthcare Group.

Completed his MBBS in 1979 and became a Fellow of the Australian College of Physicians in 1986. His interventional cardiology fellowship was from the University of Michigan Medical Centre USA.

Our Intellectual Property

8 Patents granted in the US

- Patent No: US 11,257,569, Methods of assessing risk of developing a severe response to Coronavirus infection
- Patent 11,031,098, Computer systems and methods for genomic analysis
- Patent 10,683,549, Methods for assessing risk of developing breast cancer
- Patent Nos. 9,051,617; 9,068,229 and 9,702,011 covering three of the core genetic markers included in the BREVAGenplus® risk assessment test
- Patent No. 7,127,355 offering broad protection re: methods of genetic analysis (the concept of combining clinical risk assessment with genetic risk factors to improve predictability over clinical risk assessment alone)
- Patent No. 6,969,589 covering the identification of informative SNPs

5 Patents granted in China

- Patent Nos. 200680051710.0; 201310524782.4; 201310524916.2 and 201310524765.0 "Markers for Breast Cancer"
- Patent No. 201080033130.5 Methods for Breast Cancer Risk Assessment

5 Patents granted in Hong Kong

- Patent Nos. 09101235.4; 12112875.1; 12112368.5 and 12112874.2 "Markers for Breast Cancer"
- Patent No. 12109000.5 Methods for Breast Cancer Risk Assessment

9 Patent families pending

- Methods for breast cancer risk assessment
- Methods for assessing risk of developing breast cancer
- Improved methods for assessing risk of developing breast cancer
- Markers for breast cancer
- Methods for genetic analysis
- Methods for genomic analysis
- Methods for assessing risk of developing colorectal cancer
- Methods of assessing risk developing a disease
- Methods for assessing risk of developing a severe response to coronavirus infection

Defined Terms

Common Complex Diseases (CCP) – A complex disease is caused by the interaction of multiple genes and environmental factors. Complex diseases are also called multifactorial. Examples of common complex diseases include cancer and heart disease.

Polygenic risk score - a number associated with one's disease risk based on the aggregated effects of individual risk variants through a multiplicative algorithm.

Variant - Single Nucleotide polymorphism (SNP), an alteration in DNA that may be a common or rare event.

Genomic - pertaining to function of genetics from structure to relationship between genetic events.

Genetic - pertaining to a gene.

GWAS - genome-wide association studies are large population level studies which enable scientists to identify genes and genetic markers involved in human disease. This method searches the genome for SNPs that occur more frequently in people with a particular disease than in people without the disease. Each study can look at hundreds or many thousands of SNPs at the same time. Researchers use data from this type of study to pinpoint genetic variations that may contribute to a person's risk of developing a certain disease.

SNP - Single nucleotide polymorphisms, frequently called SNPs (pronounced "snips"), are the most common type of genetic variation among people. Each SNP represents a difference in a single DNA building block, called a nucleotide. For example, a SNP may replace the nucleotide cytosine (C) with the nucleotide thymine (T) in a certain stretch of DNA.

Serious Disease Risk (SDR) - Risk associated with acquiring COVID-19 and requiring hospitalisation withs its associated morbidities and mortalities.

Germline Testing – Germline testing is done on cells that do not have cancer. It is done to see if a person has a gene mutation that is known to increase the risk of developing cancers and other health problems. This test uses cells (such as blood or skin cells) that do not have any cancer cells. Germline mutations can sometimes be passed down from parents.

Clinical Laboratory Improvement Amendments (CLIA) - Regulates laboratory testing and require clinical laboratories to be certified by the Center for Medicare and Medicaid Services (CMS) before they can accept human samples for diagnostic testing

National Association of Testing Authorities (NATA) - the authority responsible for the accreditation of laboratories, inspection bodies, calibration services, producers of certified reference materials and proficiency testing scheme providers throughout Australia. It is also Australia's compliance monitoring authority for the OECD Principles of GLP. NATA provides independent assurance of technical competence through a proven network of best practice industry experts for customers who require confidence in the delivery of their products and services.

Next Generation Sequencing (NGS) – Next-generation sequencing (NGS), also known as high-throughput sequencing, is the catch-all term used to describe a number of different modern sequencing technologies. These technologies allow for sequencing of DNA and RNA much more quickly and cheaply than the previously used Sanger sequencing, and as such revolutionised the study of genomics and molecular biology.

Laboratory Developed Tests (LDT) – A type of in vitro diagnostic test that is designed, manufactured and used within a single laboratory.

Consumer Initiated Tests (CIT) - laboratory testing that is initiated by the consumer without a physician order but reviewed and communicated back to the consumer via a physician.

Direct to Consumer (DTC) – laboratory testing that is initiated by the consumer without a physician order. The results are reported back directly to the consumer.

Health Care Professionals (HCP) – physician, GP, or specialist authorized to receive the patient results