Genetic Technologies

Coffee Micro Caps

Business Update

September 21, 2022

Authorised by the Board of Directors of Genetic Technologies Limited

ASX: GTG
NASDAQ: GENE

Notice: Forward looking statements

The purpose of the presentation is to provide an update of the business of Genetic Technologies Limited (the Company) ACN: 009 212 328 (ASX:GTG; NASDAQ:GENE). These slides have been prepared as a presentation aid only and the information they contain may require further explanation and/or clarification. Accordingly, these slides and the information they contain should be read in conjunction with past and future announcements made by the Company and should not be relied upon as an independent source of information. Please refer to the Company's website and/or the Company's filings to the ASX and SEC for further information.

The views expressed in this presentation contain information derived from publicly available sources that have not been independently verified. No representation or warranty is made as to the accuracy, completeness or reliability of the information. Any forward looking statements in this presentation have been prepared on the basis of a number of assumptions which may prove incorrect and the current intentions, plans, expectations and beliefs about future events are subject to risks, uncertainties and other factors, many of which are outside the Company's control. Important factors that could cause actual results to differ materially from assumptions or expectations expressed or implied in this presentation include known and unknown risks. Because actual results could differ materially to assumptions made and the Company's current intentions, plans, expectations and beliefs about the future, you are urged to view all forward looking statements contained in this presentation with caution.

This presentation should not be relied on as a recommendation or forecast by the Company. Nothing in this presentation should be construed as either an offer to sell or a solicitation of an offer to buy or sell shares in any jurisdiction.

Our Overview

Vision and World Leading Portfolio

Unlocking personalised preventative health

Markets & Global Presence

Expansion to over 40 countries with a multi brand strategy

Key Operating Insights

Financial and Strategic highlights

Focus Areas and Market Opportunity

Seizing a Multi-billion dollar opportunity

Pathways to Market

Brand segmentation and distribution channels

Patented Innovation and Divisions

Cutting edge technology

Unlocking personalised preventative medicine

Genetic Technologies has the most comprehensive and guideline driven portfolio. Transforming the conversation from a one-size-fits-all model to

personalised, preventive health

Where each person has the information, they need to manage their health according to their own risk.

Empowering physicians to improve health outcomes for people around the world.

Tracking disease to its source and enabling a new era of personalised medicine.

World leading portfolio

Most comprehensive guideline driven portfolio for human and animal health.

- Patented GeneType Multi Risk Test
- Non-Invasive Prenatal Testing (NIPT)
- Carrier screen testing
- Pharmacogenomics
- Oncogenetic diseases
- Pet care

Revenues anchored by our 3 brands to seize a multi Billion-dollar opportunity.

geneType Genetics for Life

easyDNA®

AffinityDNA

* Patents granted are specific to the GeneType portfolio of products

Patented* integrated risk testing for a range of critical medical 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 have developed the next generation of integrated predictive genetic testing and assessment tools – empowering physicians and patients to proactively manage health.

- ✓ 10 Patent families covering the GeneType products
- ✓ 4 Patents granted in the US
- ✓ 2 Patents granted in China
- ✓ 9 Patents pending Worldwide

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.

Relentless innovation

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

Leading integrated technology

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

Setting new standards

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

Global Overview

57
Employees globally

40
Countries

25
Patents Granted*
(9 Pending Worldwide*)

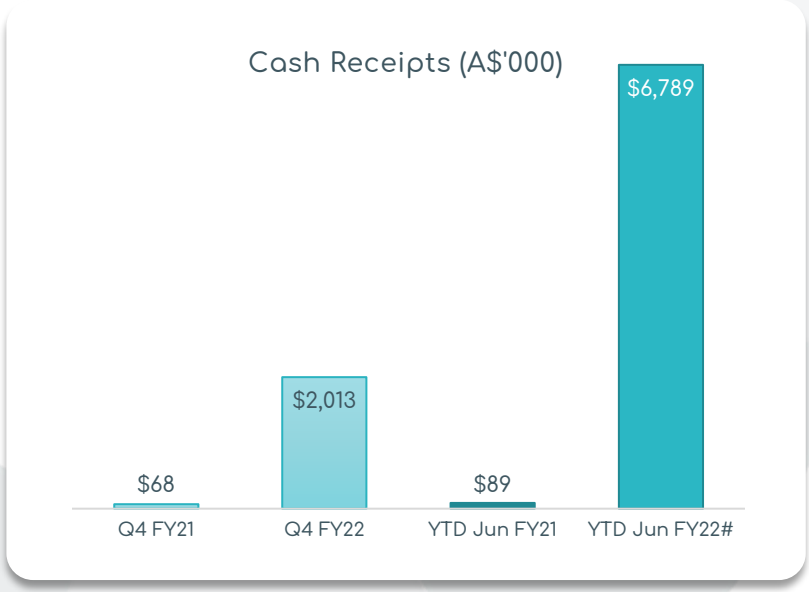
14
Test Categories

51
Tests

12
Partner Laboratories

* Patents granted are specific to the GeneType portfolio of products

Delivering Revenue and Growth June Qtr FY22



REVENUE
A$2.01m

CASH BALANCE
A$11.7m*

GROSS MARGIN
A$1.0m

GROSS MARGIN
51%

Strategic & Operational Highlights:

- Full year receipts from customers A$6.8m with 4 consecutive qtrs. of growth on prior year
- Completed independently developed Budget Impact Model (BIM) demonstrating US$1.4b in potential savings for US payers annually
- Initiated discussions with national payers in the US for GeneType risk tests
- GeneType Multi-Risk Test is implemented in 24 clinics building our geneType hub strategy
- EasyDNA entered the European market with carrier testing and Non-Invasive Prenatal Test (NIPT) and launches DNA storage strategy
- EasyDNA entered India's equine industry with stud farm partnerships broadening its paternity infrastructure
- Successful ARTG notification to TGA for company IVDs for all test on the Multi-Risk test

*June '22 quarter end cash and cash equivalents of A$11.7 million
All revenues for 2021 - 2022 are 'out of pocket' our strategy for reimbursement should become effective in 2022 - 2023 FY

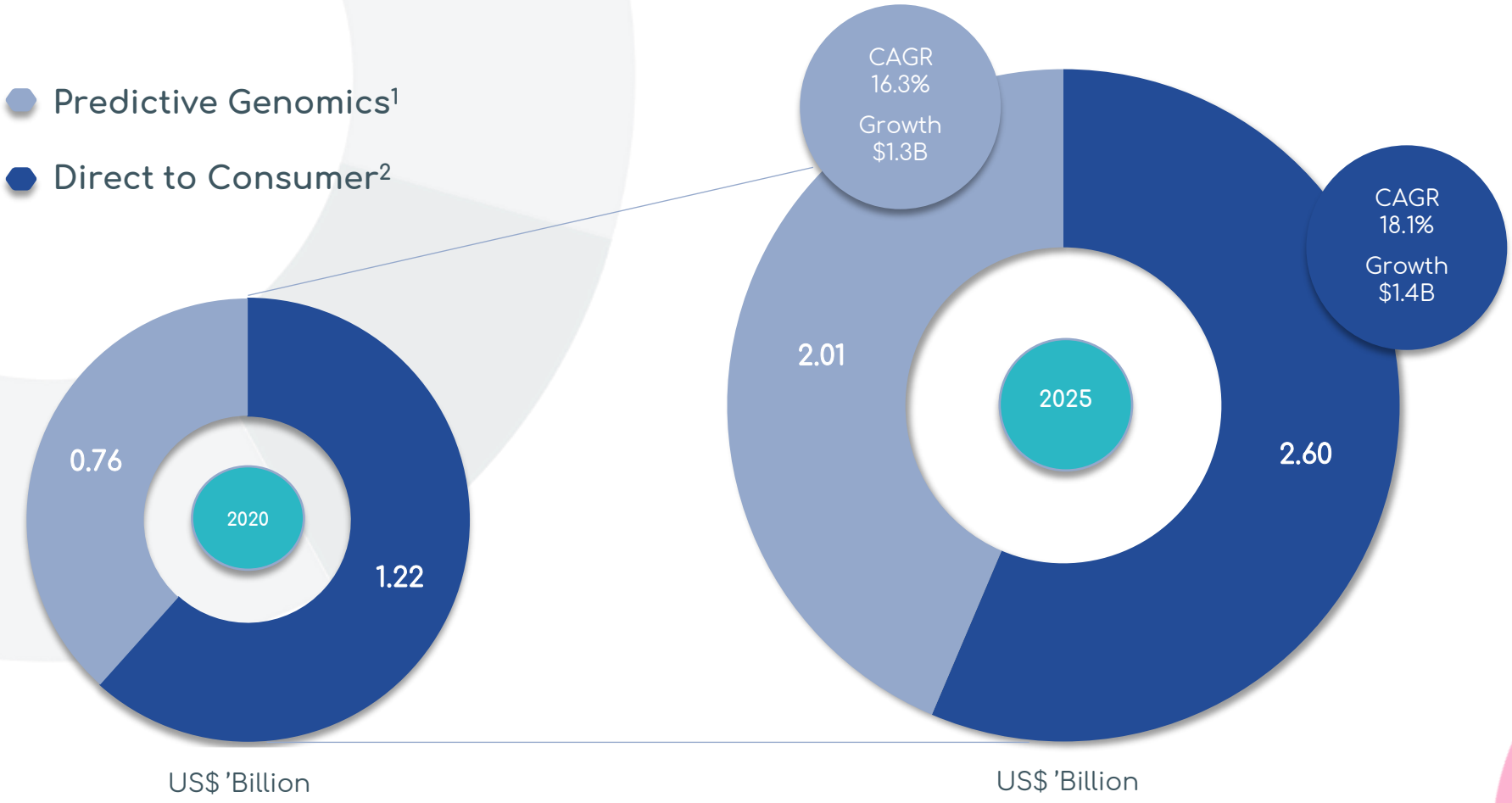
Our FOCUS

Core '4'

- Execute the B2B commercialisation of the geneType multi-risk test
- Demonstrate clinical validity & clinical utility of geneType tests
- EasyDNA & Affinity DNA Revenue Growth: Tests, Channels. & Markets
- Innovation: Next Generation of capability – Starting with Epigenetics

Market Size and Opportunity

Estimated Global Revenue growth is US$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

Our Innovation – Multi-Risk Test

GeneType can identify patients 'at risk' before onset and aid in the early detection and treatment.

GeneType Risk assessment test for breast cancer has demonstrated improved early stage detection by 18% and saving approx. US$1.4B per annum[4] for the US payer

Diseases Areas

Oncology

Breast Cancer
Colorectal Cancer
Prostate Cancer
Melanoma
Pancreatic Cancer
Ovarian Cancer

Cardiovascular

Atrial Fibrillation
Coronary Artery Disease

Metabolic

Type 2 Diabetes

Phase 1 Launch [2]

Phase 2 Launch [3]

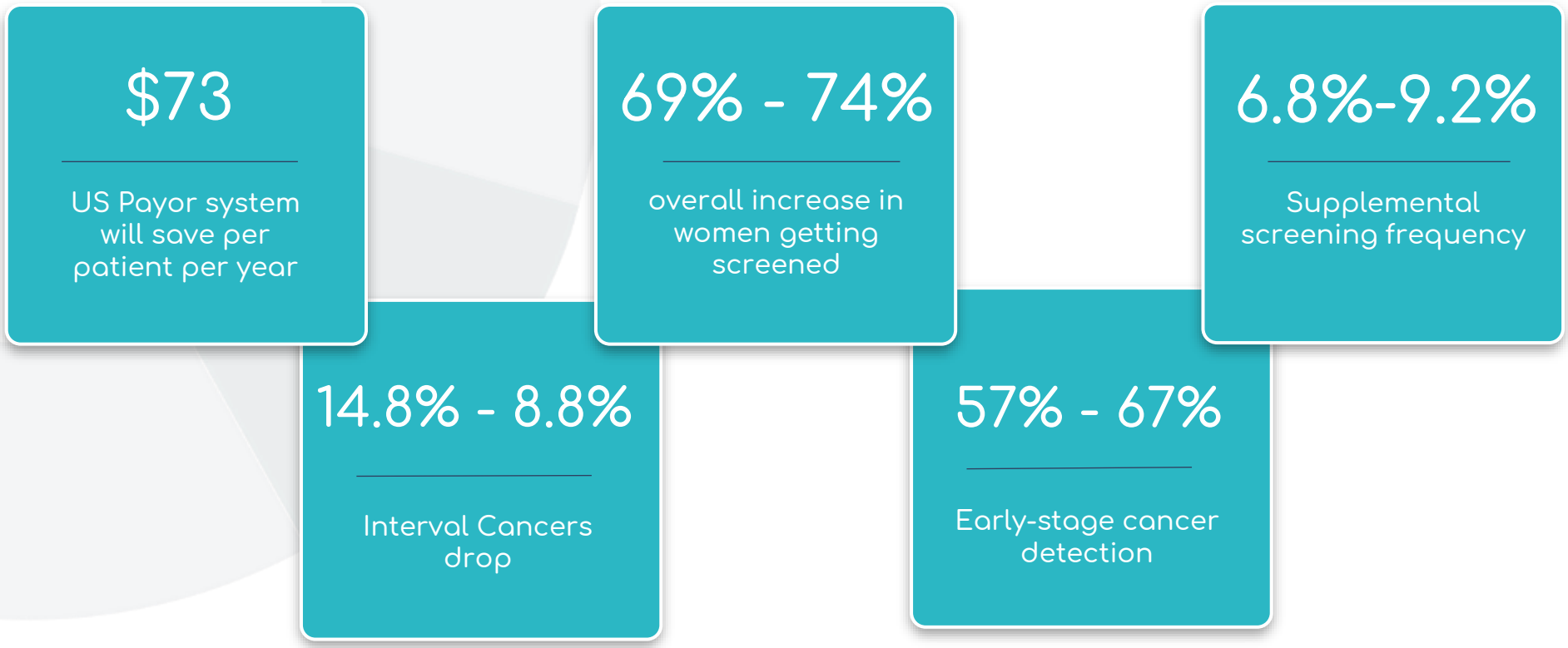
GeneType Multi-test covers >70% of mortality & morbidity

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. Budget Impact Model prepared by Alva10

Economic Modeling in the US Payer System[1]

The economic benefit to the payers in the US is US$1.4B per annum



3.6% in annual savings to a payer system in the screening and treatment of breast cancer.

1 Corporates and Insurance market entry assessment - Health Economic Model completed by ALVA10 May 2022.

Divisions of Operations

Existing divisions

Emerging divisions

Oncology
BC, CRC, PC, Melanoma

Pharmoco-Genetics & Taliaz
Companion diagnostics

CVD
(Heart Disease) IHD, AF

Germline testing
BRCA, Lynch Syndrome and Somatic testing

geneType
Genetics for Life

COVID-19
Serious disease risk (SDR)

Carrier Testing
NIPT & Reproductive carrier screening

Metabolic diseases
Diabetes

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

Pathways to Market

Executing a multi-brand strategy

Medical & Payer Business to Business (B2B)

geneType

Oncology – GTG
Cardiovascular
Prenatal NIPT
Carrier testing
Clinical & Molecular
Metabolic

Consumer initiated testing (CIT)

with medical supervision

geneType

Expanded Carrier testing & NIPT
Oncology – MultiTest
Cardiovascular – MultiTest
Metabolic – MultiTest
COVID Rick Test
Pharmacogenomics

Direct to Consumer Testing (DTC)

with no medical supervision

EasyDNA

Ancestry
Paternity
Health & Wellbeing
Pharmacogenetics

AffinityDNA

Animal
Drug testing
Relationship
DNA Storage

Pathways to Market – highest priority

Medical & Payer Business to Business (B2B)

Revenue Drivers	Health Economic modeling completed by ALVA10* Certifying reimbursable testing platform: BRCA test & LYNCH Syndrome test
Partners	A plan curated for: Payers / Insurers* Primary Care Physicians, Specialists, Surgeons, Concierge Medicine Groups
Products	geneType Multi-test BRCA test & LYNCH Syndrome test

Payer coverage is the key driver of revenues for geneType

Coverage from payers in the US will accelerate adoption of geneType Risk Assessment Tests more widely

Budget Impact Model (BIM) demonstrates significant health & economic benefits of implementing the geneType Breast Cancer Risk Assessment Test

BIM demonstrated significant economic benefits enabling:
- Direct engagement with a wide range of US payers
- Publication of results in respected peer reviewed journal(s)

US Payers include:
- Humana – 17 million lives covered
- Etna – 22.1 million live covered
- Independence Blue Cross – 3 million lives covered

Smaller payers such as employer groups have potential to move quickly

BIM validates the benefits of implementing geneType

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

Pathways to Market

	Consumer initiated testing (CIT) with medical supervision	Direct to Consumer Testing (DTC) with no medical supervision
Revenue Drivers	Building consumer awareness of serious disease test via a platform that integrates medical supervision Launched US and Australia CIT platforms in 2020	Leveraging the EasyDNA brand and platform provides the foundation to grow in 40 countries
Partners	Medical partners: LimsABC InTeleLabs in the US	Agreements with 12 laboratories in North America, AsiaPac and Europe
Products	geneType Multi- Risk Test geneType for Breast Cancer geneType for Colorectal Cancer	EasyDNA paternity, ancestry, gut microbiome testing and non-medical related genomic tests

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

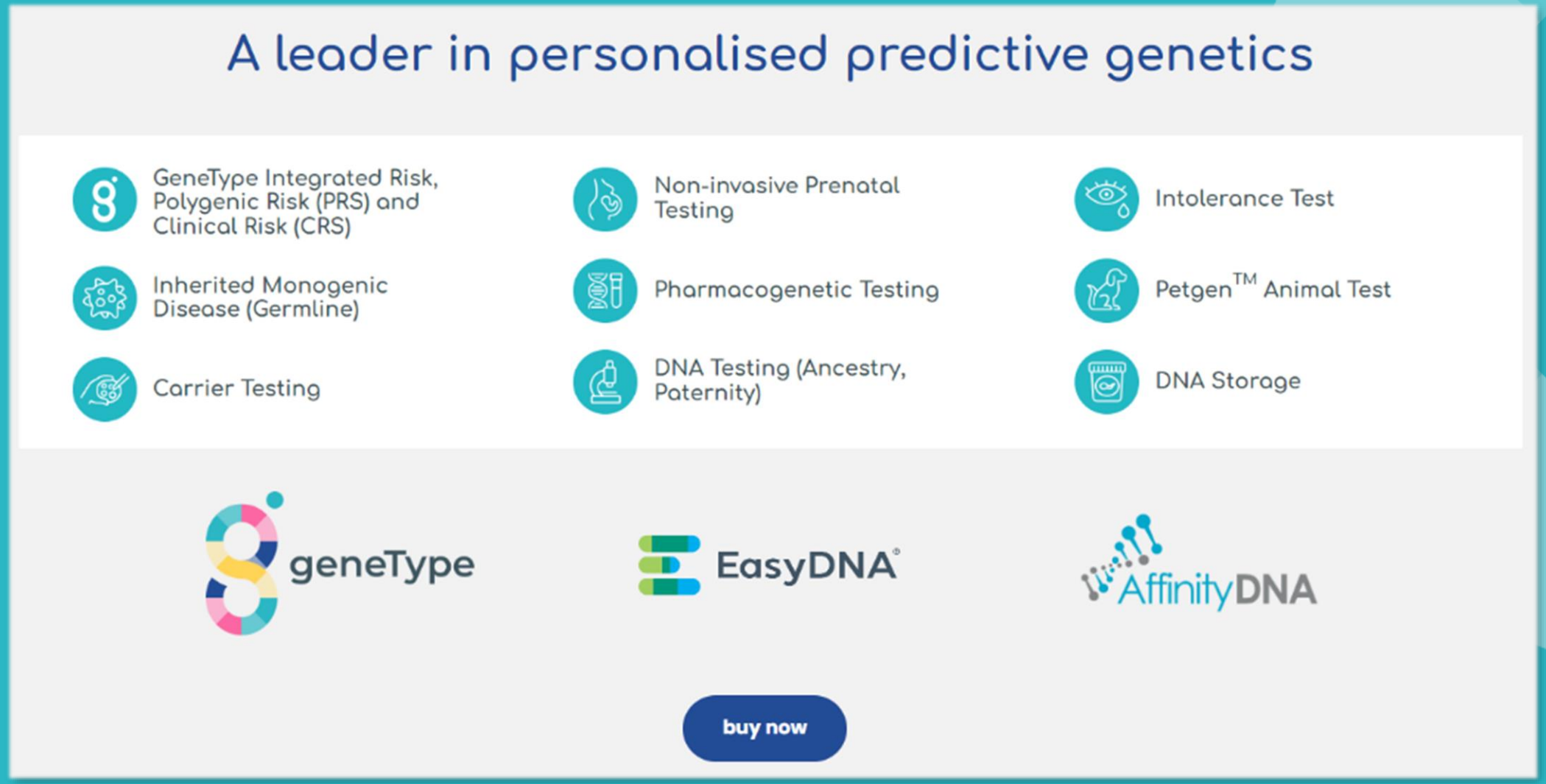
New Sales Channels

Amazon store front

Target B2B customer segments

New Markets

GeneType Website – ALL tests LIVE



Snapshot and Achievements last 12 months

GeneType commercialization

- ✓ Phase 1 commercial release of the geneType Multi-Risk test in US
- ✓ 24 medical practices on-boarded launching the foundation of geneType Hubs in Australia
- ✓ Completed 2 Acquisitions – EasyDNA and AffinityDNA
- ✓ Presentations by Dr Erika Spaeth at:
  - ✓ San Antonio Breast Cancer Symposium,
  - ✓ Precision Medicines leaders summit
  - ✓ Precision Medicine World Conference

EasyDNA integration activities

- ✓ Acquisition of EasyDNA completed
- ✓ Launch Carrier Testing and Non-Invasive Prenatal Tests (NIPT) into Europe
- ✓ Partnering in India with stud farms extending paternity infrastructure into the equine industry
- ✓ Launch DNA storage solution in GTG NATA approved facility

Reimbursement activation

- ✓ Independently developed Budget Impact Model (BIM) identifies US$1.4 billion dollars in annual saving by ALVA 10
- ✓ Progress on US Payer meetings to enable coverage across millions of lives

Partnerships

- ✓ Launch with A/Prof Charles Siles providing immediate access to more than 1,000 referring primary care physicians and 15,000 patients annually in Australia
- ✓ Launch of screening for breast cancer risk with Prof Bruce Mann at Royal Women's Hospital in Melbourne

Clinical Validity and IP Strategy

- ✓ 10 Patents granted
- ✓ 5 new provisional patents filed
- ✓ 4 papers published
- ✓ 3 papers under review

Laboratory Capability

- ✓ Gained NATA and CMS-CLIA accreditation and certification for 6 polygenic risk score tests
- ✓ Successful ARTG notification to TGA for company IVDs for all tests on the multi-risk test

Summary

Thank you

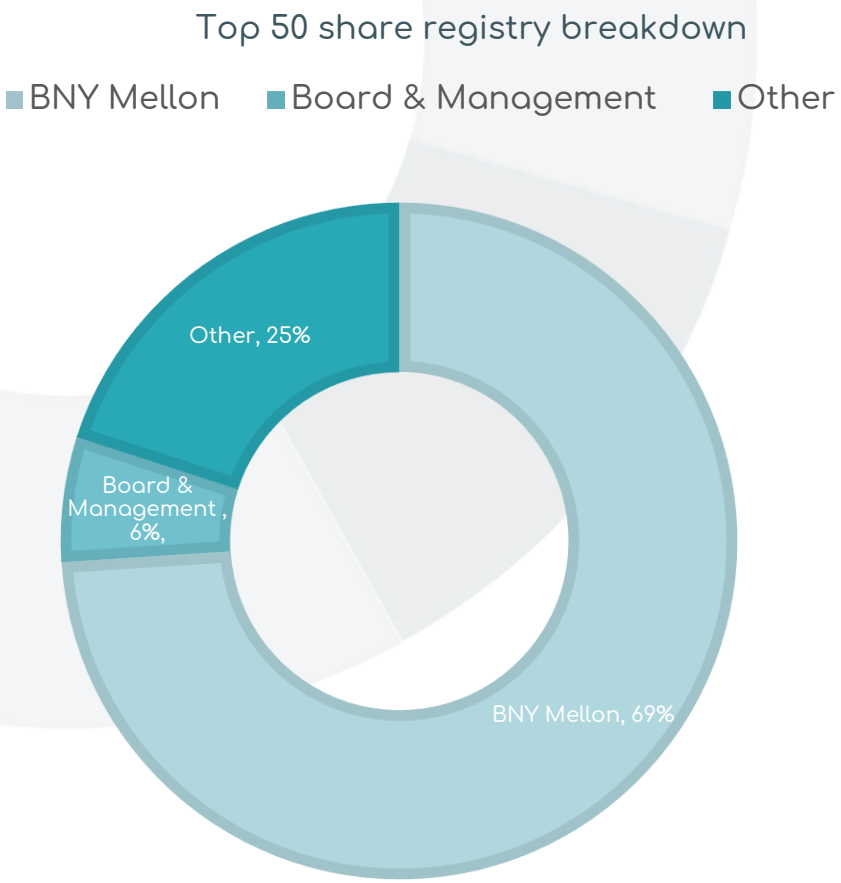
Investor Relations
Adrian Mulcahy
Market Eye – Automic Group
M: +61 438 630 422
E: adrian.mulcahy@automicgroup.com.au

www.linkedin.com/company/genetype-limited

www.genetype.com

Appendices

Corporate Overview



Dual Listed on the ASX and Nasdaq

Financial Information	
Share price (AUD) as at 5 September 2022	0.4c
ADR price (USD) as at 5 September 2022	$1.39
Ord Shares on Issue (M)	9,234
ASX 52-week trading (AUD low/high)	0.3/0.9c
Nasdaq 52-week trading (USD low/high)	0.95/3.54
Market Cap (AM/USM)	**36.94/22.64**
Cash at 30 June 2022	A$11.7m
Cash at 31 March 2022	A$11.4m
Debt (31 March 2022 and 30 June 2022)	nil

Financial Overview

- Net cash inflow of A$197k in Q4 FY'22 (compared to Q3 FY'22 outflow of: A$2.1 million) as we continue to grow EasyDNA and Affinity DNA brand sales and develop and commercialize our geneType tests

- Cash reserves of A$11.7 million at 30 June 2022 including the R&D Tax incentive receipt of A$1.44 million will be directed to:

    - Support the commercialization of geneType products in United States, Europe and Australia
    - Develop the direct-to-consumer sales channel through EasyDNA and AffinityDNA
    - US Payer model development for geneType for breast cancer;
    - General product research and development; and
    - For general working capital.

A$'000	31-Mar-22	30-Jun-22	Change
Net operating cashflow	(2,056)	197	110%
Receipts from customers	1,967	2,013	2%
Research and Development and Staff costs	1,244	1,429	15%
Cash	11,350	11,733	3%

[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

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.

Collaborations

Professor Bernard Rosner

Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, USA – Principal Investigator of the Nurses' Health Study (International expert in Biostatistics and breast cancer epidemiology).

Collaborating on a project to improve the GeneType Breast Cancer Test and to Cross-validate the Ovarian cancer test in the Nurses Health Study

Professor Graham Colditz

Deputy Director, Institute for Public Health. Washington University School of Medicine, St. Louis, Missouri (International expert in Biostatistics and breast cancer epidemiology).

Collaborating on a project to validate the GeneType for Breast Cancer Test in African American patients

Professor John Hopper

Professorial Fellow at the Centre for Epidemiology and Biostatistics in the School of Population Global Health, Melbourne University

Collaborating on a project to improve the Genetype for Breast Cancer Test and on a joint project with Prof Emery to develop clinical utility evidence for the GeneType tests

Collaborations

Professor Jon Emery

THE UNIVERSITY OF MELBOURNE

VCCC Alliance
Overcoming cancer together

Professor of Primary Care Cancer Research at the University of Melbourne, and the Victorian Comprehensive Cancer Centre

Collaborating on a joint project with Prof Hopper to develop clinical utility evidence for the GeneType tests

Memorial Sloane Kettering Cancer

Memorial Sloan Kettering Cancer Center

Collaborating on a project to investigate modification of risk in BRCA-positive patients by polygenic risk scores

Ohio State University

THE OHIO STATE UNIVERSITY

Collaborating on a project to investigate modification of risk in BRCA-positive patients by polygenic risk scores

Our Intellectual Property

4 Patents granted in the US

- Patent No: US 11,257,569, Methods of assessing risk of developing a severe response to Coronavirus infection
- Patent No: US 11,072,830, Methods for breast cancer risk assessment
- Patent No: US 10,683,549, Methods for assessing risk of developing breast cancer
- Patent No: US 10,920,279, Methods for assessing risk of developing breast cancer

2 Patents granted in PRC (China & HK)

- Patent No. 201080033130.5 Methods for Breast Cancer Risk Assessment
- Patent No. 201580063966.2 Methods for assessing risk of developing breast cancer

9 Patent families pending

- Breast cancer risk assessment
- Methods for assessing risk of developing prostate cancer
- Methods for assessing risk of developing ovarian cancer
- Methods of assessing risk of developing a severe response to Coronavirus infection
- Methods of assessing risk of developing a disease
- Methods for assessing risk of developing breast cancer
- Improved methods for assessing risk of developing breast cancer
- Methods of assessing risk of developing breast cancer
- Methods for assessing risk of developing colorectal cancer

* Patents granted are specific to the GeneType portfolio of products

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