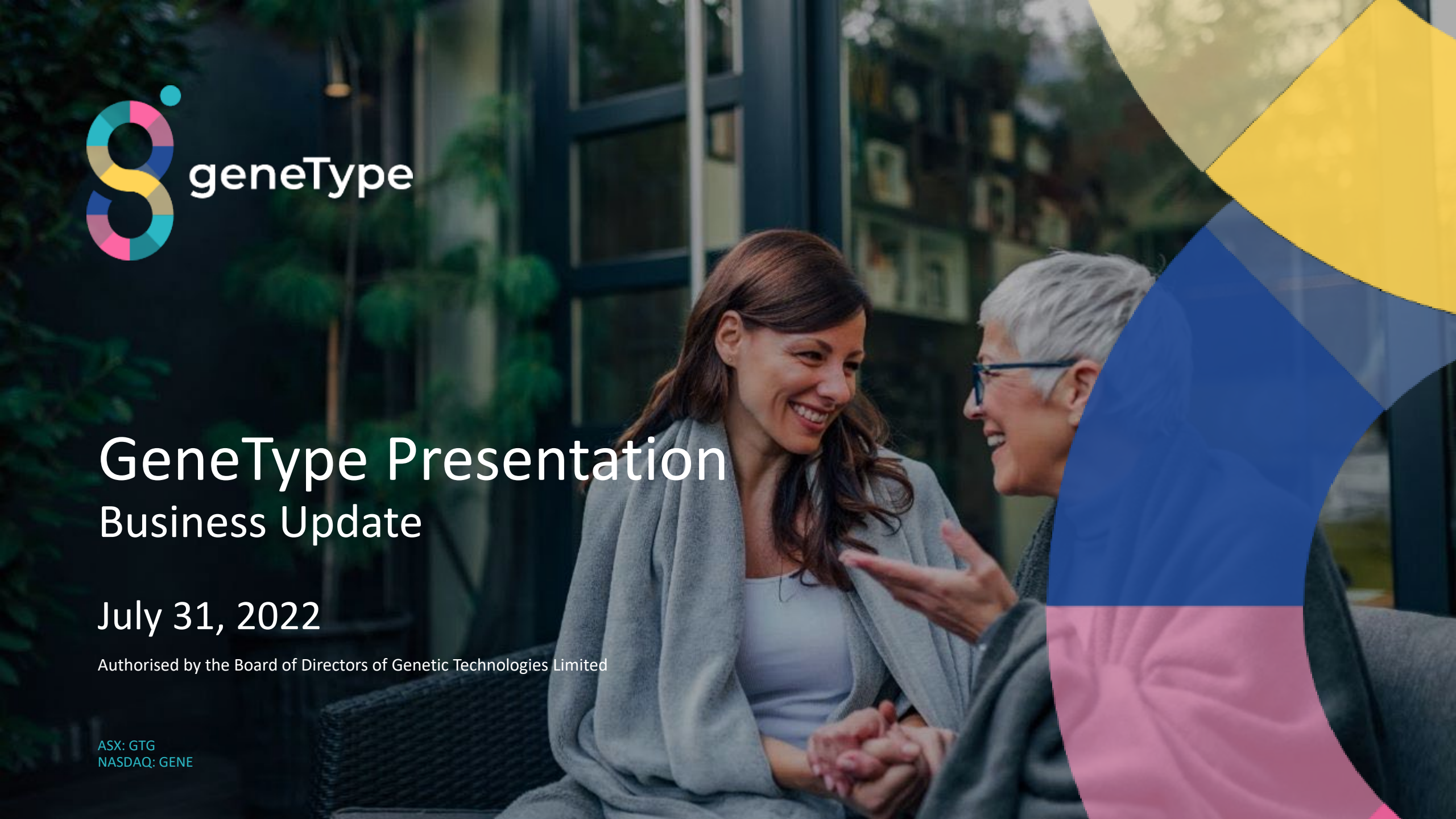

GeneType Presentation

Business Update

July 31, 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.

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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

Genetype Vision

Unlocking personalised preventative health

Our Mission

Transform the conversation 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.

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 portfolio for humans 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

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

57
Employees globally

40
Countries

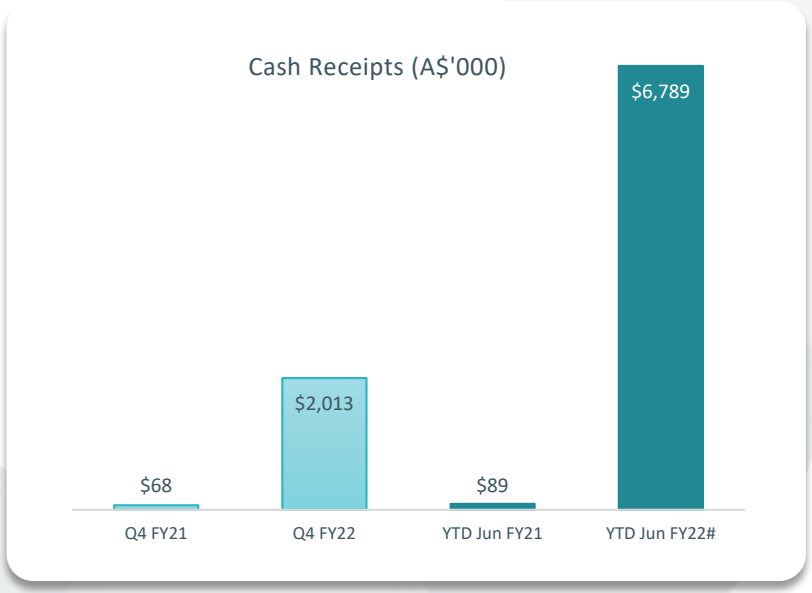
27
Patents Granted (9 Pending)

14
Test Categories

51
Tests

12
Partner Laboratories

Delivering Revenue and Growth June Qtr FY22



REVENUE

AUD $2.01m

CASH BALANCE

AUD $11.7m*

GROSS MARGIN

AUD $1.0m

GROSS MARGIN

51%

Strategic & Operational Highlights:

- Full year receipts from customers AUD$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 Europe market with carrier testing and Non-Invasive Prenatal Test (NIPT) and launches DNA storage strategy
- EasyDNA entered India's equine industry with stud farm parttnerships 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
Provisional – Unaudited

Our 6 Focus Areas

Commercialisation of the geneType suite of multi-risk tests

EasyDNA Growth: New Test. New Channels. New Markets.

Demonstrate clinical validity & clinical utility of geneType tests

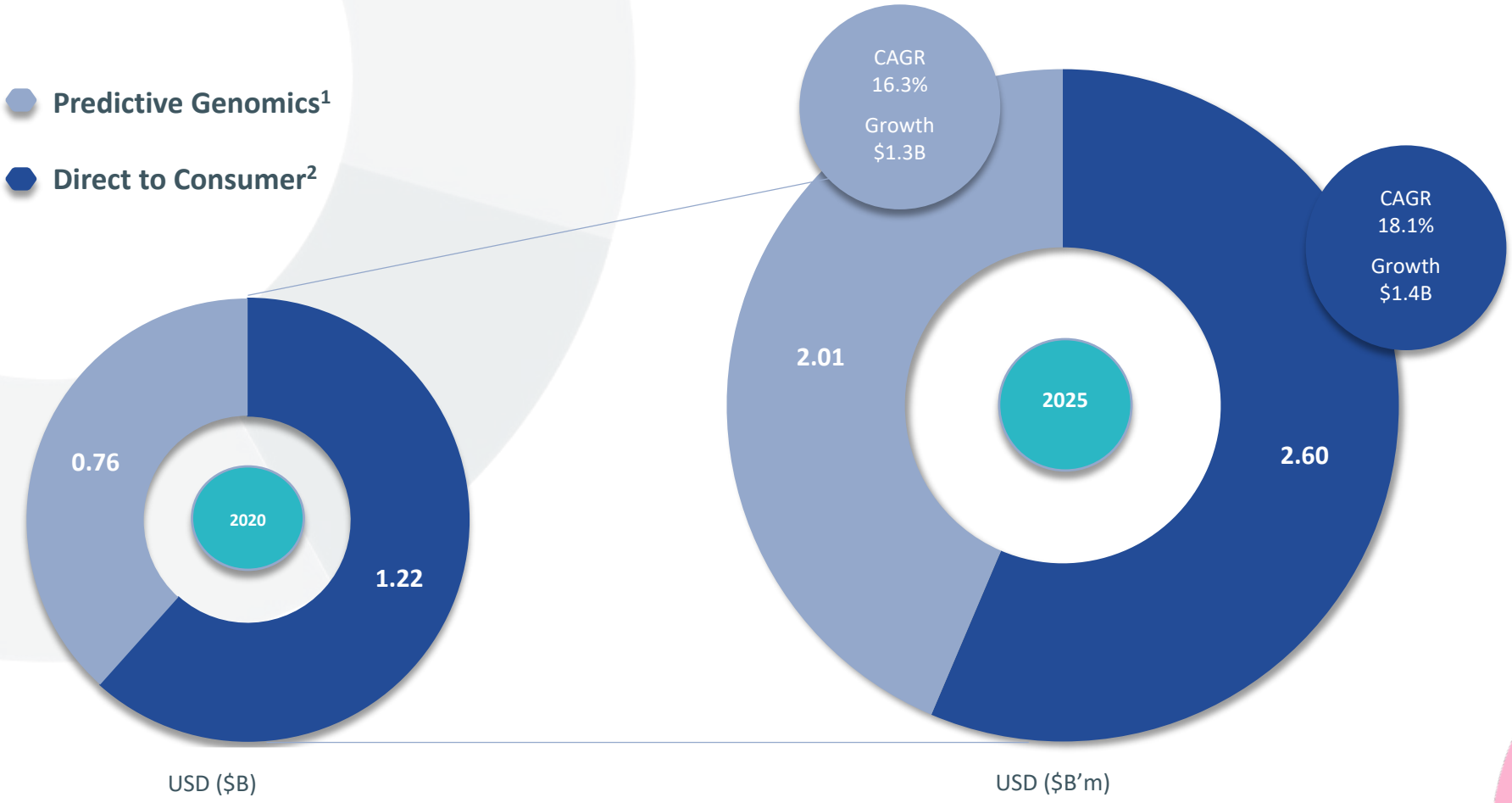
Bolster commercial bias to our OPEX to drive revenues

HR, Talent & capability

Innovation:
Next Generation

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

Marketing Performance (June Qtr)

Digital Brand Performance

459,456
BRAND IMPRESSIONS

1,014
CLICKS: ADS + SOCIAL

975
SOCIAL MEDIA ENGAGEMENTS

27,197
WEBSITE VISITS

Lead Generation

348
CONTACT FORM SUBMISSIONS

133
HCP PARTNERSHIP FORM SUBMISSIONS

44
NEWSLETTER SIGNUPS

152
'REGISTER INTEREST' FORM SUBMISSIONS

Marketing LinkedIn and socials – Genetype

[LinkedIn Siles Announcement]

[LinkedIn AffinityDNA]

[LinkedIn EasyDNA Market Expansion]

[LinkedIn Erika PMWC]

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

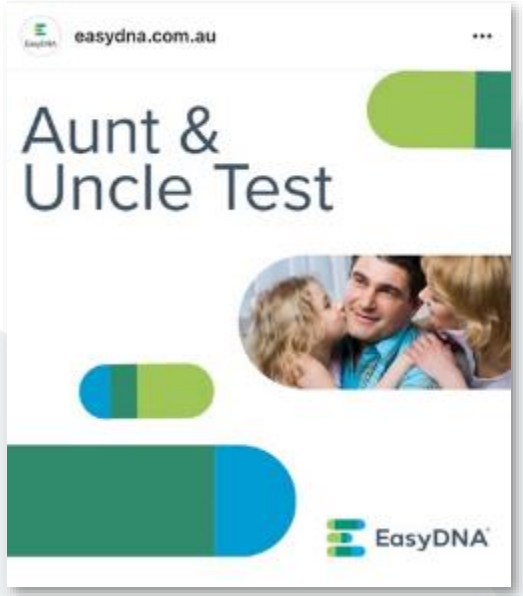
New Sales Channels

Amazon store front

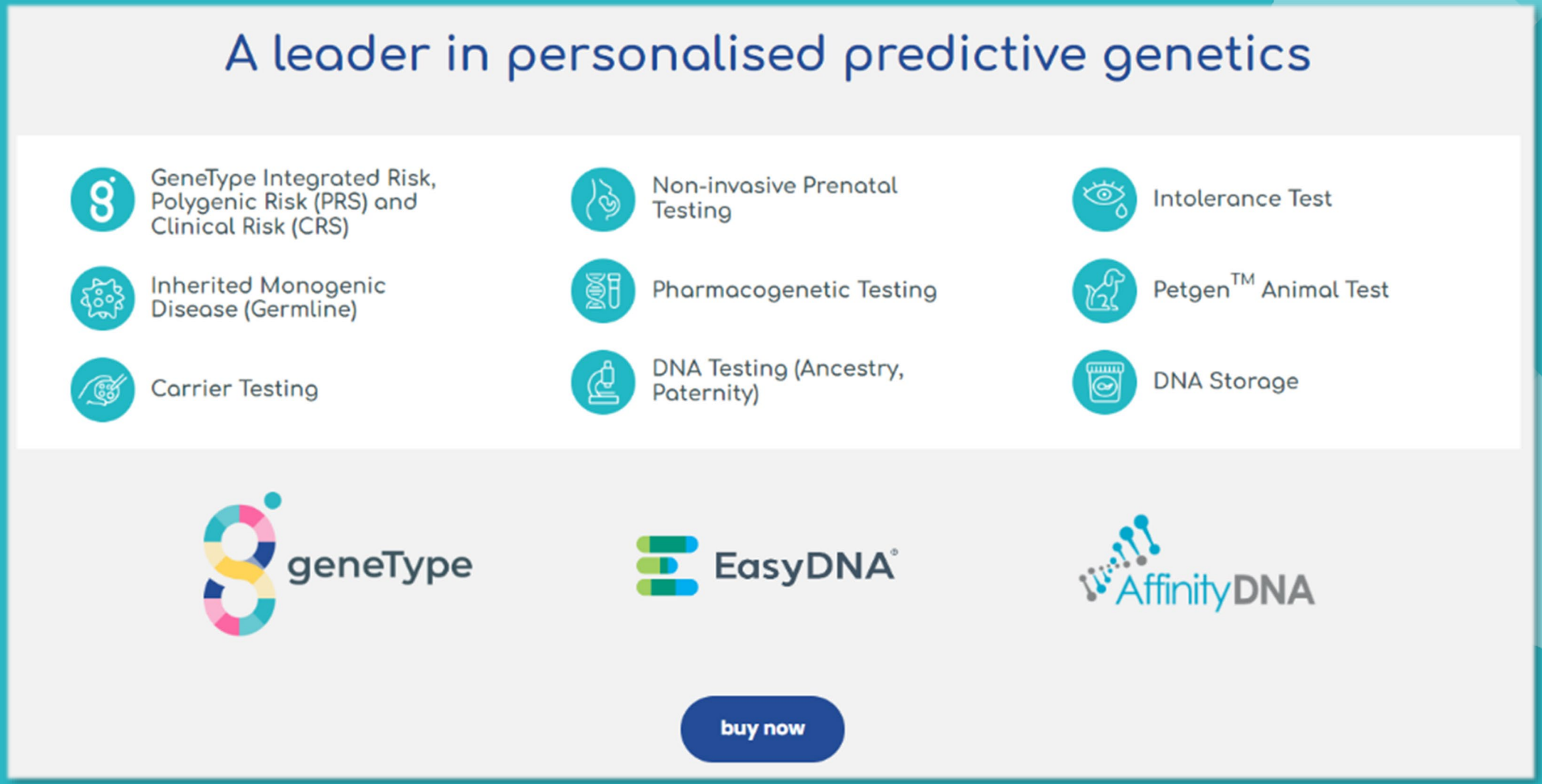
Target B2B customer segments

New Markets

Marketing LinkedIn and socials - EasyDNA



GeneType Website – ALL tests - LIVE



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 AffinityDNA	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

AffinityDNA

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 – Multi- Risk 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

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

Pharmoco-Genetics & Taliaz
Companion diagnostics

Germline testing
BRCA, Lynch Syndrome and Somatic testing

Carrier Testing
NIPT & Reproductive carrier screening

Lifestyle
Ancestry and Microbiome
EasyDNA

geneType
Genetics for Life

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

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 Acquisition – 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 1000 referring primary care physicians and 15000 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

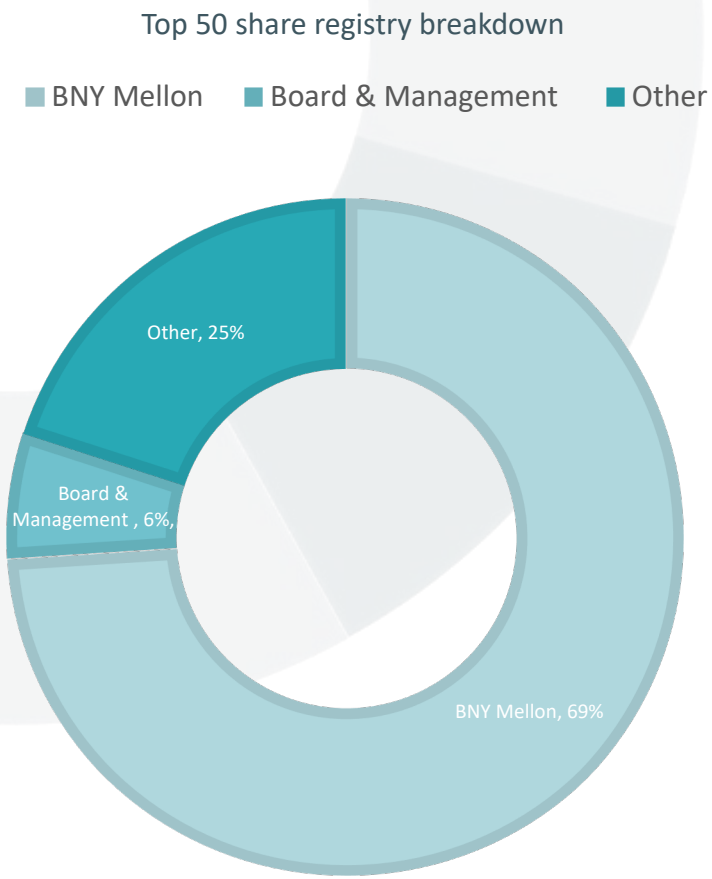
Investor Relations
Justin Foord
Market Eye
M: +61 402 600 691
E: justin.foord@marketeye.com.au

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 27 July 2022	0.4c
ADR price (USD) as at 27 July 2022	$1.47
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)	0.95/3.58
Market Cap (AM/USM)	**36.94/22.62**
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.

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