

Committed to enhancing patient outcomes via innovative solutions



We are an Australian owned company providing targeted molecular diagnostic systems/consumables, orthopaedic implants/instruments, and healthcare technology innovations. Our innovations are locally designed and released to the Australian market which are supported by Australian and global manufacturer partnerships.

Through our strategic 3PL partner, we provide an efficient cost-effective service with local and international delivery networks to Australian metropolitan & regional centres and end-to-end product tracking.

Renowned Clinicians & Experienced Executive Management Team





PROF. MICHAEL COOPER, OAM Chairman & Board Director

- Internationally-recognised multidisciplinary surgeon in endometriosis, fertility and advanced endoscopic surgery
- 26-years of experience
- Clinical Associate Professor of Sydney University Department of Obstetrics & Gynaecology



DAVID MITCHELLDirector, Business
Development & Sales

- Over 20-years' experience in marketing and sales management roles in leading pharmaceutical companies
- Profound Experience in Launching Products for Specialist and Hospital Markets, Demonstrating a Comprehensive Understanding of Industry Dynamics



A/PROF. ANDREW LEICESTER Chief Medical Officer

DINESH SAMARASINGHE

Pathology Director

Over a decade of extensive experience in

encompassing Chemistry, Immunology,

Solutions, and Quality Control Measures

Emphasis on Business Development and

Hematology, Molecular Diagnostics,

Point-of-Care Testing, Workflow IT

workflow consulting in Medical

Diagnostics

Laboratory Clinical Diagnostics,

- Renowned Orthopaedic surgeon based in Bowral, with part time duties at Sydney Children's Hospital and Goulburn
- 26-years of experience
- Associate Professor of University of Wollongong



GERRY ZHAOBoard Finance Director

- 20-years' experience in private equity advisory and investment
- Advised numerous global corporate and private equity funds on M&A and capital raisings
- VP Corporate Development at Neuren Pharmaceuticals



FRANK FANChief Financial Officer

- Statistical analysis and financial forecasting Analysing financial data and performance to explore investment opportunities and evaluate performance
- Developing Financial modelling and forecasting development for long- and short-term commercial plans.



ADAM CROWE
Chief Executive Officer

- 35-years' experience in business development & operations
- Specialist in procurement, supply chain and healthcare sales
- Delivered sustainable value to major healthcare companies in categories such as prostheses, pathology & radiology, pharmaceuticals & medical consumables



SAMPURNA GHOSH Pathology - Senior Manager

- Over a decade of experience in Clinical Diagnostics encompassing Molecular Diagnostics, Cytogenetics, Biochemistry, Microbiology, Immunology, Hematology, Serology and Clinical Pathology
- Specialist in Product Management, Marketing, Procurement and Development for In-Vitro Diagnostics (IVDs) and Medical Devices.





Table of contents

01

02

03

Executive Summary

Automated Nucleic Acid Extraction Systems

Pre-Filled Extraction Kits

04

05

06

Customised Solutions

Personal Protective Equipment

Pathology Development Pipeline





Executive Summary



Next Generation Pathology

Executive Summary

Equinox Medical stands at the forefront of life sciences innovation, excelling in the development of cutting-edge technologies for nucleic acid extraction systems, qPCR platforms, and a comprehensive range of specialized reagents. In addition to our standard product offerings, we provide tailor-made solutions for extraction processes, qPCR workflows, and Next-Generation Sequencing (NGS) reagent panels.

Our overarching mission is to empower clinical diagnostics and research laboratories with the tools they need to conduct exceptionally accurate, efficient, and high-caliber testing across a variety of clinical samples.



Focused Product Selection Delivers Value to Patients



Pathology Diagnostics

Launching innovative solutions to the marketplace to impact and improve Public Health.



Personal Protective Equipment (PPE)

Working with manufacturers to provide reliable, consistent and high-quality consumables for medical institutions.



Prostheses

Cutting-edge solutions and support for Orthopaedic surgeons specialised in Trauma and Spine with an expanding portfolio into other specialties.





Support during the COVID Pandemic



Equinox Products Supplied in FY20-FY22



2.5m+ COVID tests



250+ trauma implant cases



450,000 gowns



9m+ gloves



5m+ masks



A\$27m+ revenue



Over 10 Australian R&D investments



We Support Local Communities and Nations with PPE





Aiding Lismore Flood Relief Effort

Equinox Medical contributed to emergency response and disaster recovery with two PPE shipments, including 64 cartons of protective suits. In collaboration with Lismore City Council and Resilient Lismore, we donated an additional 34 cartons of Level 3 surgical gowns to Lismore Hospitals.





Donating PPE to Tongan Earthquake Relief Efforts

Dr. Andrew Leicester, representing Equinox Medical, received a recognition certificate from the Princess of Tonga for our contributions to the Tongan Earthquake Disaster Relief Program. Equinox Medical donated over 40,000 essential PPE items, including adult and child N95 respirators, surgical masks, gowns, isolation gowns, protective suits, and nitrile gloves, to support the ongoing relief efforts after the February 2022 earthquakes.



Support from our Leading Healthcare Clients & Partners







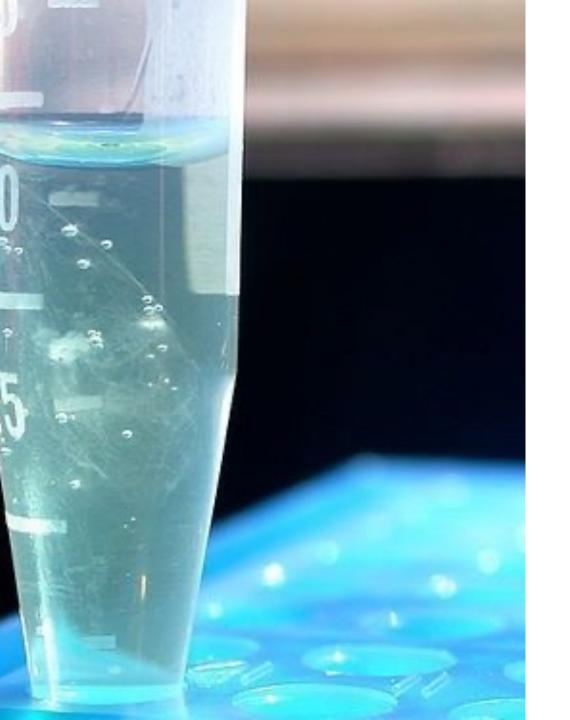












Automated Nucleic Acid Extraction Systems

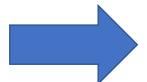
Exclusive distribution of Nucleic Acid Extraction Systems





Pre-filled DNA/RNA Isolation kits for use on Four E's and 3DMed Extraction Systems







MultiEx32



MultiEx96





ANDiS 360



ANDiS 350

*MultiEX32 & MultiEX96 pending TGA approval







MultiEX32: Automated Nucleic Acid Extraction System



System Specifications	
Sample types	Serum, Plasma, Saliva, and other body fluids
Reaction Volume	50μl-1000μl
Sample Throughput	1-32
Magnetic beads recovery rate	96%
Extraction variation	CV < 3%
Heating temperature	Adjustable from room temperature to 125°C/257°F
Reagent type	Magnetic bead-based open-source reagents
Extraction time	20min-40min/run (depending on reagent types and volumes)
Well plate	96 deep well plate
Mixing Intensities	Adjustable : 8 Levels
Max. Stirring Speed	10Hz
Display	10-inch Colour touch screen
Memory	>500 programs
Program management	Add, edit, and delete programs
UV lamp	Yes
Light	Yes
Device size	349× 325× 390(mm)
Device weight	25kg







EX96: Automated Nucleic Acid Extraction System



System Specifications		
Sample types	Serum, Plasma, Saliva, and other body fluids	
Reaction Volume	50µl-1000µl	
Sample Throughput	96	
Magnetic beads recovery rate	96%	
Extraction variation	CV < 5%	
Heating temperature	Adjustable from room temperature to 125°C/257°F	
Reagent type	Magnetic bead-based open-source reagents	
Extraction time	20min-40min/run (depending on reagent types and volumes)	
Well plate	96 deep well plate	
Mixing Intensities	Adjustable : 8 Levels	
Max. Stirring Speed	10Hz	
Display	10-inch colour touch screen	
Memory	>500 programs	
Program management	Add, edit, and delete programs	
UV lamp	Yes	
Light	Yes	
Device size	700 × 475 × 370(mm)	
Device weight	40-45kg	



Additional Features EX32/EX96



MultiEX32 Nucleic Acid Extractor



Key Features:

- 10-inch high-sensitivity touchscreen
- System Check Feature
- Plate drawer
- Audible alarm
- Replace motor after 50,000 runs (1,600,000 tests)

MultiEX96 Nucleic Acid Extractor



Key Features:

- 10-inch Intuitive UI & sensitive touchscreen
- Self-diagnostic system checks
- Shield plate to contain spillage
- Audible alarm
- Change Motor after 11,500 runs (1,104,000 tests)







ANDiS 360: Automated Nucleic Acid Extraction System



System Specifications		
Sample types	Nasopharyngeal/oropharyngeal swabs, cervical swabs, saliva, sputum, urine, stool, FFPE tissue whole blood.	
Reaction Volume	30µl-12000µl	
Sample Throughput	16/32	
Magnetic beads recovery rate	>95%	
Extraction variation	CA<3%	
Heating temperature	Adjustable from room temperature to 115°C/240°F	
Reagent type	Magnetic bead-based open-source reagents	
Extraction time	8 minutes for Viral RNA	
Well plate	e 96 deep well plate (large and small volume)	
Operation system	ystem Android system with touch screen	
Memory	Up to 500 programs	
Program management	Add, edit, and delete programs	
UV lamp	Yes	
Light	Yes	
HEPA Filter	er Yes	
Device size	442 × 445 × 490 (mm)	
Device weight	35kg	







ANDiS 350: Automated Nucleic Acid Extraction System



System Specifications		
Sample types	Nasopharyngeal/oropharyngeal swabs, cervical swabs, saliva, sputum, urine, FFPE tissue whole blood, stool.	
Reaction Volume	30µl-1000µl	
Sample Throughput	16/32	
Magnetic beads recovery rate	>95%	
Extraction variation	CA<3%	
Heating temperature	ature Adjustable from room temperature to 115°C/240°F	
Reagent type Magnetic bead-based open-source reagents		
Extraction time 30-60 mins (reagent dependent)		
Well plate 96 deep well plate		
Operation system	Android system with 17 inch touch screen	
Memory	Up to 500 programs	
Program management	Add, edit, and delete programs	
UV lamp	UV lamp Yes	
Light	Light Yes	
Device size	400 × 400 × 450 (mm)	
Device weight	35kg	







Pre-filled RNA & DNA Extraction Kits

Four E's 32/96 Well Extraction Kits



Extraction Kit	Sample type	Features	
Magnetic Bead Swab Genomic DNA	Suitable for oral samples such as oral swabs, pharyngeal swabs and mouthwash		
Magnetic Bead Saliva Genomic DNA	Suitable for fresh or frozen saliva samples		
Magnetic Bead Blood Genomic DNA	Dullable for flesh of floven saliva samples	High efficiency: Fast extraction speed, genomic DNA can be obtained in a short time. High purification: The purified DNA	
Magnetic Bead Urine Genomic DNA 200ul		OD260/280=1.7~1.9, with high quality. High throughput: Suitable for manual extraction,	
Magnetic Bead Tissue Genomic DNA (Dried Blood Spots)		-also can be integrated with Nucleic Acid Extractor, pipetting method automatic instrumen to carry out high throughput extraction -experiment.	
Magnetic Bead Stool Genomic DNA (with Disruptor Beads)	Suitable for frozen stool samples		
Magnetic Bead FFPE Tissue Genomic DNA	Suitable for formalin tissues, paraffin- embedded tissues		
Magnetic Bead Bacterial Genomic DNA (Lysozyme, Proteinase K)	Suitable for Gram-negative bacteria, Gram- positive bacteria, pathogenic bacteria in food		



Four E's 32/96 Well Extraction Kits



Extraction Kit	Sample Type	Features
Magnetic Bead TORCH Pathogen DNA/RNA	Suitable for whole blood and other samples.	Developed for TORCH assays to meet the needs of microarray and qPCR test.
Magnetic Bead EB Viral DNA	Suitable for whole blood and other samples.	Developed for EB virus assays to meet the needs of microarray and qPCR assays.
Magnetic Bead HPV DNA	Suitable for cervical secretion, cervical swabs and other samples	Specially developed for HPV detection and meet the needs of HPV chip detection and qPCR detection.
Magnetic Bead High Sensitivity HBV DNA	Suitable for plasma isolation and purification of high- quality hepatitis B virus DNA and other samples.	High sensitivity: the sensitivity is increased to 5IU/ml without changing the current PCR detection mode.
Magnetic Bead High Sensitivity HCV/HIV RNA	Suitable for plasma isolation and purification of high- quality viral RNA.	High sensitivity: High sensitivity: the sensitivity is increased to 15IU/ml without changing the current PCR detection mode.



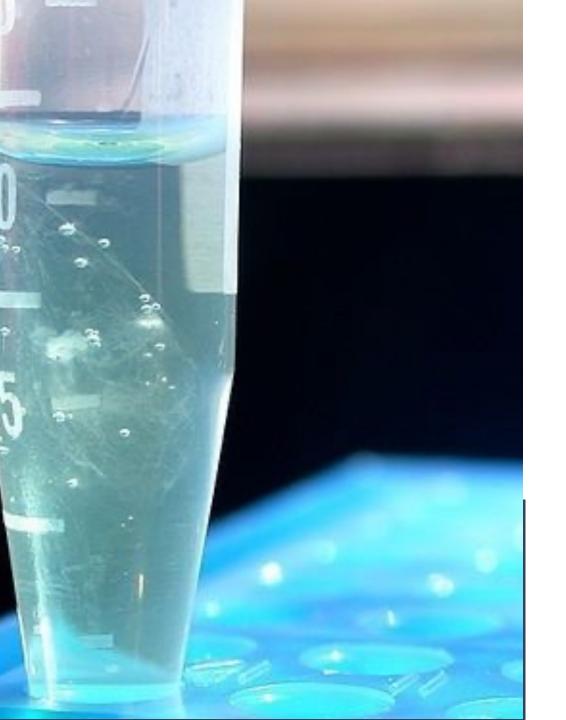
3DMed Extraction Kits for Infections Disease & Genetic Testing



	32A Viral RNA Extraction Kit	Pathogen Nucleic Acid Extraction Kit	ReadiMag FFPE RNA/DNA Extraction Kit	ReadiMag gDNA Extraction Kit
System Compatibility	ANDiS 350/360	ANDIS 350/360	ANDiS 350/360	ANDiS 350/360
	30 Med Rights of the Action of	20th Dispressive	SOME Diagnostics Some W. Sig. Sig. W. Sig.	SOUND Diagnostics pres sensite to pres
Sample type	Nasopharyngeal, Oropharyngeal, Saliva, Cervical	Bronchoalveolar lavage fluid, Sputum	FFPE tissue	Saliva, whole blood and buffy coat
Run time	<15 minutes (Dependant on sample types and instrument used)	<15 minutes (Dependant on sample types and instrument used)	45 minutes	50 minutes
Sample input volume	200-400μL	<400μL	5-40µm	<200µL
Elution volume	100μL	100μL	50μL	50µL







Real Time Quantitative PCR System





Q96: Real-Time Quantitative PCR



System Specifications		
Throughput	96 Well (12x8)	
Dynamic Range	1-10	
Detection Location	Top Detection	
Excitation light wavelength	400-800nm	
Detection Wavelength	500-800nm	
Fluorescence Channels	Channel 1: FAM/SYBR Green I Channel 2: JOE/HEX/TET/VIC Channel 3: NED/TAMRA/Cy3 Channel 4: ROX/Texas Red Channel 5: Cy5 Channel 6: Cy5.5	
Excitation light source	full-spectrum LED	
Detector	Polymerase Modulator on Temperature (PMT)	
Block Temperature Range	4~105°C	
Sample Volume Range	5-100μL	
Max heating & cooling rate of block	≥6°C/s	
Heated Lid Temperature Range	30°C-110°C (default 105°C)	
Gradient Temperature Difference	1-40°C	
Fluorescence intensity	CV≤3%	
Display	10.1-inch touch screen	
Scan mode	Full plate scan or specified line scan	
Sample tray control mode	Sample tray automatically moves in/out, enabling integration with automated workstations/plate handlers.	
Software functions	Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc.	
Operating system	Built in PC Software (Windows 8 or Higher)	
Ports	USB Type-A port × 2, USB Type-B port, RJ45 port	
Power-off protection function	Yes , Data will be restored after power resumes	
Dimensions	320mm (W) × 525mm (D) × 420mm (H)	
Extension ports	2 USB ports, 1 Ethernet port	
Weight	27Kg	







Customised Solutions

Your Trusted Partner in Laboratory Solutions



Equinox Medical is committed to excellence, serving as your end-to-end partner for laboratory needs.

Consulting Services:

 Specialised consultancy for laboratories in instrument and reagent purchases.

Customization:

- Tailored reagent panels and protocols for:
 - Nucleic Acid Extraction
 - qPCR Mixes
 - NGS Kits

Resourceful Distributor:

 Partnered with multiple manufacturing firms to offer a wide array of products.







Personal Protective Equipment (PPE)



Equinox Distributes PPE from Global Leaders

Surgical & Isolation Gowns



Caps & Berets





Sterilisation Wrap





Adult & Child Masks





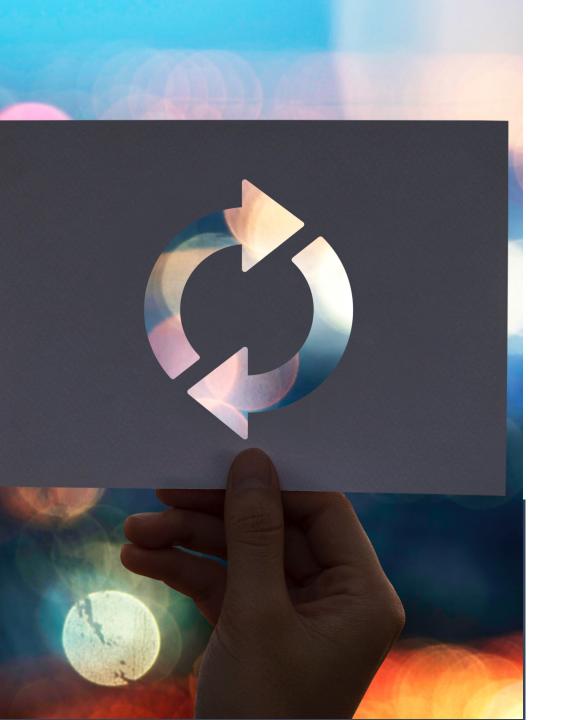
Level 2 & 3 N95/P2 Particulate Respirators











Development Pipeline (RUO)

NGS Prep 96 Liquid Handling Workstation



Key Features:

- 10-inch touchscreen with intuitive UI
- Turntable design
- Scanning module to avoid plate placement errors
- Liquid class value adjustments to achieve accurate aspiration volume control
- Precision pipetting module
- Magnetic separation module
- Liquid handling accuracy: 1uL CV <5%
- 96 Channels
- Volume Range: 5-200uL
- 18 Decks
- Temperature Range: 0-80 C
- 2x USB ports w/ Ethernet
- Weight: 45 Kg



Expected Release: December 2023



DNA Nudge



The DNA test panels identify specific SNPs within your genes that are associated with your predisposition to develop certain health conditions. We only include genes that have high-quality research and well-documented evidence behind them.

The DNA Nudge, recognized for its rigorously researched DNA test panels, is now **TGA-approved for COVID-19 testing**. The tests identify specific SNPs within genes linked to a predisposition for certain health conditions, ensuring accurate and clinically meaningful results. As CEO Chris Toumazou emphasizes, these genetic markers are carefully selected based on population studies involving hundreds of thousands of people. In line with our commitment to innovation and accuracy, we are currently in the process of expanding our panel to include additional respiratory markers.

- 1) Choose Your Nudge
- Return a cheek swab 2)
- 3) Receive DNA report directly onto the DnaNudge App
- 4) Scan your smartphone while shopping to personalise your purchases based on your DNA

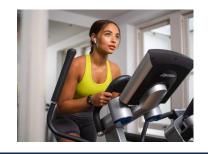






https://www.dnanudge.com/





Nutrition Nudge

In this personalised report, we analyse 8 nutrition-related genetic traits and link these to macronutrients in the food we eat, enabling you to make the healthiest choices for you every time you shop - simply by scanning the product barcode to see if it's red or green for you.

Skincare Nudge

In this personalised report, we analyse 8 skin-related genetic traits and link these to ingredients in the facial skincare we use, enabling you to make the best choices for your skin every time you shop - simply by scanning the product barcode to see if it's red or green for you.

Active Nudge

For ultimate personalisation of your DNA test results, your Active Nudge will constantly update your DNA-based recommendations in real time, monitoring your inactivity levels throughout the day and relating these back to your available GREEN product choices.

Equinox MDS Demo Lab at The University of Sydney



We're thrilled to announce the arrival of our latest cutting-edge NGS Sequencing Support Systems at our **M**olecular **D**iagnostics & **S**equencing Demo Lab.





All our systems in the lab are designed to make your molecular diagnostics and sequencing work easier, faster, and more efficient.





Resources



Website: https://equinoxmedicalgroup.com/

Four E's: https://www.youtube.com/watch?v=MfBy0oZbk4g&t=87s

Four E's MultiEX32:

https://www.youtube.com/watch?v=lv88ekAEkhM (Intro)
https://www.youtube.com/watch?v=xFGuO3Vrlek (Operational)

Four E's qPCR:

https://www.youtube.com/watch?v=SQNS_07d0Ss