BLUE-RAY BIOTECH



Blue-Ray Biotech

Company Presentation | 2024

Blue-Ray Biotech in Brief

Offering superior quality life science products at competitive prices

Molecular Biology Research Instruments and Reagents Expertise

22+ Years of Experience
in PCR, Centrifugation, and Automated Liquid Handling

70+ Distributors Worldwide
in over 30 countries

Taiwan Quality Recognition
Designed and Made in Taiwan



Arise Biotech

We Empower Life Science Research with
OEM/ODM Mastery & Branded Innovation

Arise Biotech

Parent Company of Blue-Ray Biotech

22+ Years of Experience

Established in July 2002

OEM/ODM and Branded Business

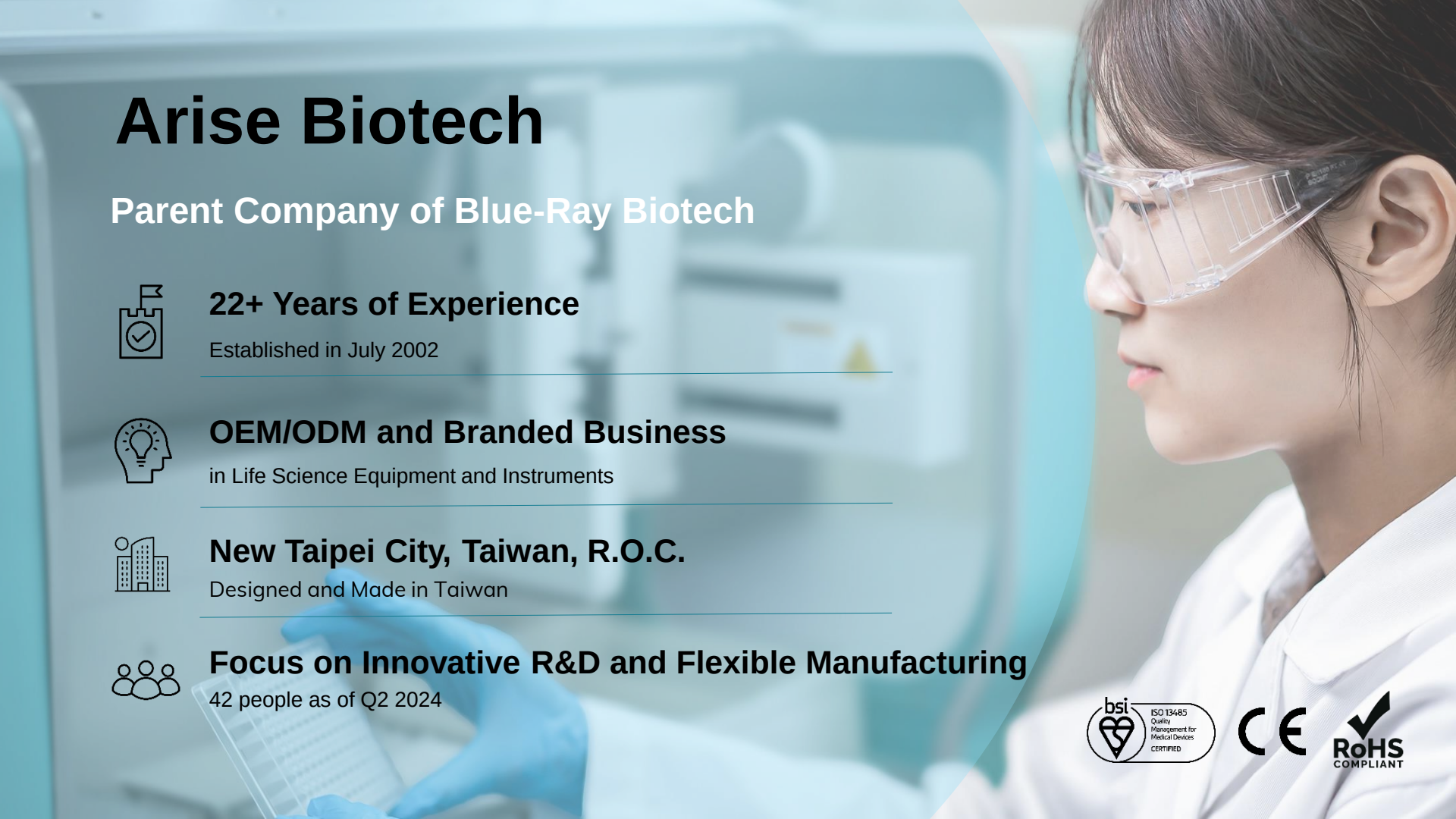
in Life Science Equipment and Instruments

New Taipei City, Taiwan, R.O.C.

Designed and Made in Taiwan

Focus on Innovative R&D and Flexible Manufacturing

42 people as of Q2 2024



World-Leading Companies Rely on Us

Labnet (USA)

Corning (USA)

Azenta (USA)

Cole-Parmer (USA)

A&D (Japan)

Nichiryo(Japan)

Capp(Denmark)

Arise OEM/ODM Product Portfolio

Sample Handling



Refrigerated Centrifuges



Sealers



Decappers

Nucleic Acid Handling



PCR and qPCR Instruments



Spectrophotometers

Liquid Handling



Automated Pipetting System



Electronic Pipettes &Pipette Controllers

Arise BIOTECH

Blue-Ray Biotech Branded Products

Portfolio Focus

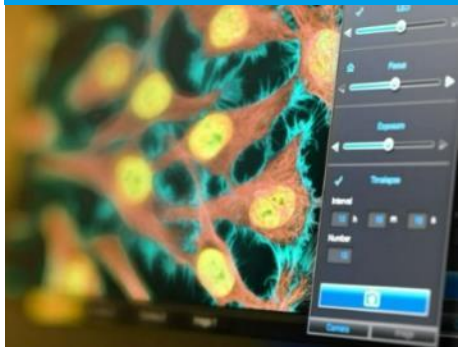
Growing innovations drive strong product segments

Nucleic Acid Handling



- Automated Nucleic Acid Extraction System
- Spectrophotometer / Fluorometer
- PCR & qPCR machines

Cell Handling



- Live Cell Imaging System

Sample Handling



- Microcentrifuge
- Tube Decapper

Liquid Handling



- Automated Pipetting System
- Electronic Pipette & Controller

Comprehensive Molecular Biology Solution

From Upstream Nucleic Acid Extraction to Downstream Detection

Nucleic Acid Extraction > **Nucleic Acid Quantification** > **Sample Preparation** > **Nucleic Acid Detection**

NEW



TurboX 48
Automated Nucleic Acid Extraction System



EzDrop 1000
Micro-Volume Spectrophotometer



EzDrop 1000C
Micro-Volume / Cuvette Spectrophotometer

NEW



EzCube
Fluorometer



EzMate
Automated Pipetting System

NEW



EzDecap
Automated Tube Decapper



TurboFuge
Microcentrifuge



NEW

TurboCycler 3
Triple-Block PCR Thermal Cycler



TurboCycler 2
PCR Thermal Cycler



TurboCycler Lite
PCR Thermal Cycler

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Featured Products

TurboX 48
Automated Nucleic Acid Extraction System

Born for Large Volume Liquid Biopsy
Up to 5 ml Sample Input, Down to 30 µl Eluate Output!



Proven spin column purification



48-High-Throughput centrifugation, handles 48 standard or 12 large samples









Patented decapping technology



Automated pipetting in sample and column manipulation

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TurboX 48
Automated Nucleic Acid Extraction System

Customer Targets :
Hospital / Clinical Lab / Genetic Test Companies

Extreme pure DNA/RNA elution and high yield

Ideal for demanding samples as cfDNA, ctDNA, RNA, FFPE, etc

Cost effective



Comprehensive Nucleic Acid Quantification

	EzDrop 1000 Micro Volume	EzDrop 1000C Micro-Volume + Cuvette	EzCube Fluorometer
			
Limit of dsDNA Detection	2 ng/μl	0.3 ng/μl	10 pg/μl
Applications	Regular research of Micro volume(1 μl) Quantification	Microbiology & Food/ Medical Lab	DNA/RNA Genotyping NGS, Cancer Research

EzDrop 1000C

Micro-Volume / Cuvette Spectrophotometer

One Spectrophotometer, Dual Measurement Modes

- Flexible standalone or PC connectivity
- Fast measurement in less than 3 seconds
- Broadest spectrum scan 190 - 1000 nm for wide applications including kinetics, microarray an labeled protein



EzDrop 1000

Micro-Volume Spectrophotometer

800+
Instruments Sold within 3 years



Accurate Sample Quantification within 3 seconds

- Fast measurement in less than 3 seconds
- Reliable results: CV of absorbance < 1%
- Easy pipetting of the sample with assist light

EzCube

Fluorometer

Illuminating Precision with Triple Fluorescent Channels

- Quantify low concentrated samples with just 1 µl in seconds
- Three selectable fluorescent channels
- High compatibility with dedicated quantification assays



A Complete Range of PCR Thermal Cyclers

Portable	Conventional			Real-Time
				
MiniTurbo	**TurboCycler Lite**	**TurboCycler 2**	**TurboCycler 3**	**TurboQ**
Portable PCR	Economical PCR	High performance standard PCR	High-throughput triple block PCR	4-Channel qPCR

TurboCycler 3

High-throughput Triple-Block PCR Thermal Cycler

Three PCR machines in One, Unrivaled Flexibility and Productivity in Its Class

- Perfect for multi-user access
- Run 3 distinct experiments at once
- Max throughput up to 3 x 48 samples
- 8 thermal gradient optimization across blocks
- Independent Block Operation



96-Well PCR Thermal Cyclers

50+ Publications

2,000+ Instruments Sold



TAIWAN EXCELLENCE 2019

TurboCycler 2

High performance standard PCR

- Fully adjustable lid temperature
- Gradient optimization control
- Monitor PCR status remotely



TurboCycler Lite

Economical and versatile for routine PCR

- Intuitive capacitive touch keypad
- Fully adjustable lid temperature
- Gradient optimization control

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EzDecap

Automated Screw Cap Tube Decapper



Innovative and affordable solution for tube handing automation

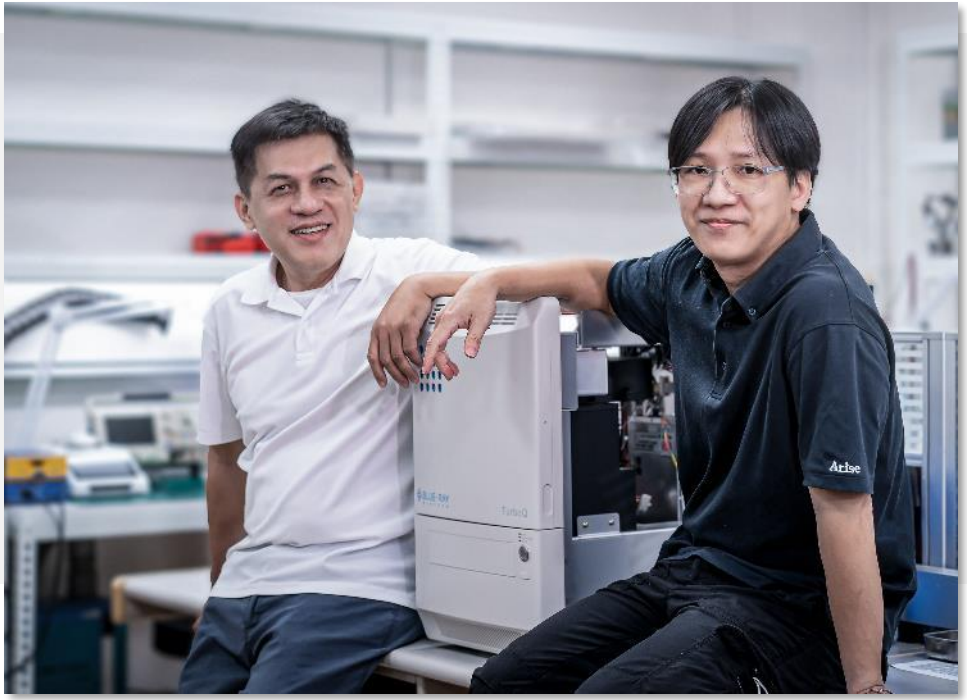
- Easy one-hand operation using patented technology
- Ideal for high-volume daily tasks, reduces the rick of RSI
- Handles various tubes from cryotubes to 50 ml centrifuge tubes.
- No need to change grippers.

WATCH HOW IT Works

Our Competences

Robust In-House R&D Innovation

- **22+ years of experience** in PCR, Refrigerated Centrifugation, Automated Pipetting technology
- **Proven track record of innovation**: 20+ products of developing experience
- **R&D at the core**: 36% of employees are R&D Engineers

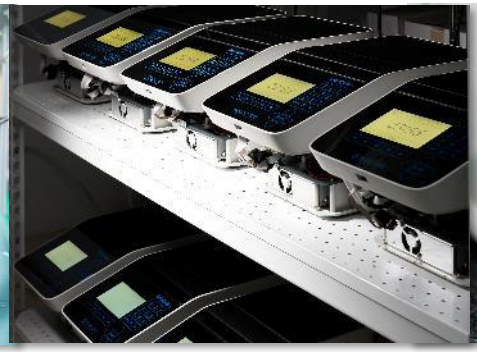


Manufacturing Perfection in Every Detail

- **Flexible production capacity** for low-volume, high-mix products
- Strong partnerships with **market-leading ODM/OEM clients**
- **Design for durability**: comprehensive testing ensures quality

100%
Made in Taiwan


Production Line

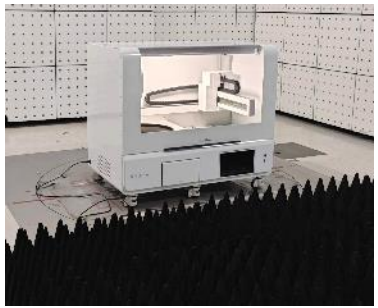

Burn-in Test


Calibration


Warehouse

ISO-Certificated Quality Management

ISO 13485:2016



EMI/EMC Test



Humidity Test



Panel Endurance Test

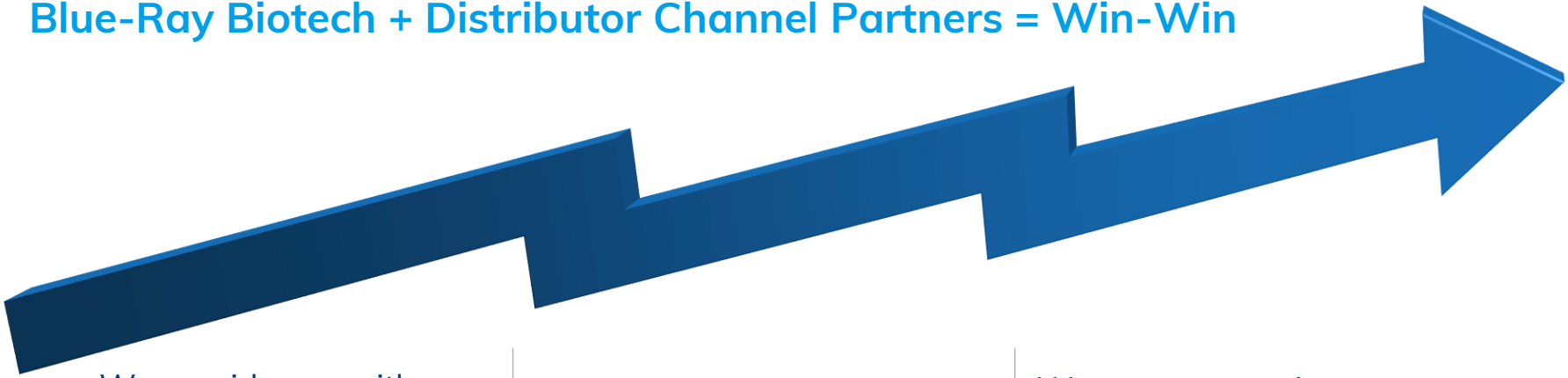
Lid Life Cycle Test

WATCH VIDEO

BLUE-RAY BIOTECH

Stronger Together with Us

Blue-Ray Biotech + Distributor Channel Partners = Win-Win



We provide you with market development fund and intensive marketing support.

Develop Market Together

We set reasonable sales target and margin with you to ensure your profit.

Share Profit Together

We are an organic-growth company and we are your long-term partner.

Grow Together

BLUE-RAY BIOTECH



Thank You

appendix

qPCR and Portable PCR



TurboQ

Real-Time PCR System

- Ideal for Multiplex and Routine PCR Applications
- 4 Optical Channels
- CCD-Based Detection System
- +/- 0.25°C Block Temperature Control Accuracy



MiniTurbo

Portable for use in the field and classrooms

- Portable and light weight
- Equal performance as benchtop models
- Fully programmable with open system

EzScope 101

Live Cell Imaging System

TAIWAN EXCELLENCE 2020

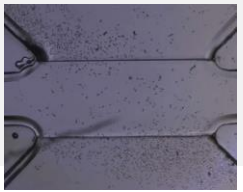


Live Cell Live Show

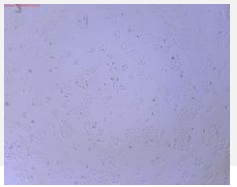
- Observe cells without removing cells from Incubator
- Monitor up to 4 experiment samples in one assay
- Easy image editing with EzCapture
- Wide used in variety of cell-related assays



3D spheroid



Cell Migration



Cell Growth

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TurboFuge

Microcentrifuge

TAIWAN EXCELLENCE 2020



More Capacity, Higher Safety

- 24/36-place capacity
- Aerosol-tight metal rotor lid
- Lid drop protection / Motorized dual lock
- Enhanced ventilation design and heat sink suppresses temperature rise during high-speed centrifugation

EzMate

Automated Pipetting System

25+
Application Notes



Ideal for routine low volume sample preparation tasks

- Customized adapters and labwares
- Interchangeable 1 / 4 / 8-channel, 50µl / 200µl volume ranges
- Active cooling and heating module options for sensitive samples/reagents
- UV lamp and HEPA filter for high-contamination assays

Reagent kit manufacturing | Sample Preparation | PCR/qPCR set up | NGS Library Preparation | Cell-based assay

BlueSwan

Pipette Controller



Precise Pipetting with Handy and Elegant Design

- Light weight only 180g
- Easier access to filter
- Space saving