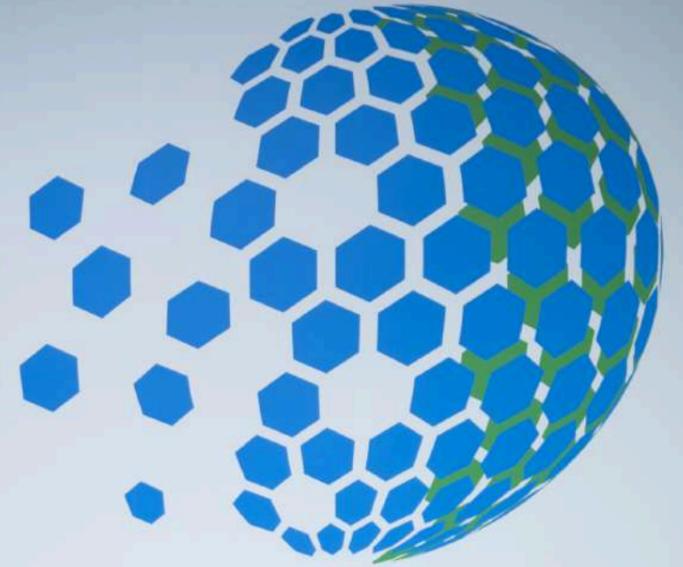




PHARMACEUTICAL & LIFE SCIENCES



ACCUSCIENCE



DIPLOMA PLC
VALUE-ADD SOLUTIONS

Diploma PLC are an international, dynamic, value-add distribution Group organised across three sectors: Controls, Seals and Life Sciences. Our agile and decentralised businesses operate across North America, UK, Europe and Australia to deliver value-add solutions.

part of **DIPLOMA LIFE SCIENCES**

As part of Diploma PLC Life Sciences, the Technopath and Accuscience businesses provide the technical expertise, specialist knowledge, and close relationships to deliver the value-add solutions our customers need.

Technopath and Accuscience's product offerings are supported by their combined applications, service and customer support teams.



Unit C3, M7 Business Park, Naas,
Co Kildare, W91XF79, Ireland
www.accuscience.ie



TECHNOPATH

Fort Henry Business Park,
Ballina, Co. Tipperary, V94
N248, Ireland www.technopath.com

Table of Contents

SOLUTIONS FOR YOU		
	Our Purpose	5
	Our People	6
	Our Facilities	8
SERVICE AND SUPPORT		
	Our Services	9
	Applications Support	12
ELECTROPHORESIS & BLOTTING PRODUCTS / IMAGING SYSTEMS AND SOFTWARE		
	Bio-Rad's Electrophoresis & Blotting Products, and Imaging Systems and Software are scientific tools used for analyzing and visualizing proteins and nucleic acids.	14
MUTATION/ PATHOGEN DETECTION (PCR, QPCR & DIGITAL PCR)		
	Bio-Rad's PCR-based tools are used for detecting genetic mutations and pathogens in DNA samples.	16
ANTIBODIES / CHROMATOGRAPHY		
	Bio-Rad's Antibodies and Chromatography products are used for protein purification and detection in biological research.	18
BENCHTOP EQUIPMENT		
	Implen provides compact, high-accuracy spectrophotometers essential for molecular biology labs. Their intuitive software ensures reliable, reproducible results.	20
BINDER SOLUTIONS / GROWTH		
	Binder growth ensures optimal and reproducible conditions for cultivating organisms in controlled environments like CO2 incubators and growth chambers.	22
BINDER SOLUTIONS / COLD STORAGE		
	Binder cold storage combines reliable ultra-low temperature preservation with energy efficiency and environmental friendliness for scientific laboratories.	24
BINDER SOLUTIONS / ENVIRONMENTAL CHAMBERS		
	Binder environmental simulation chambers offers advanced climate chambers for precise and reliable testing of materials under various standards in research and quality assurance.	26
BINDER SOLUTIONS / DRYING & HEATING CHAMBERS (OVENS)		
	Shaping a Better Tomorrow with Precision: LAUDA, Your Global Partner in Temperature Control for Electromobility, Pharmaceuticals, and Beyond.	28
	Telstar specialises in advanced clean air, cold and sterilisation equipment, serving the pharmaceutical, healthcare, and laboratory sectors. Their innovative solutions ensure precision, reliability, and compliance with industry standards.	32
ENVIRONMENTAL MONITORING		
	Rees Scientific Environmental Temperature Monitoring involves continuous, precise tracking of environmental conditions for critical applications.	34
TEMPERATURE CONTROL		
	Shaping a Better Tomorrow with Precision: LAUDA, Your Global Partner in Temperature Control for Electromobility, Pharmaceuticals, and Beyond.	36

Table of Contents

BENCHTOP EQUIPMENT		
	Benchmark Scientific & Accuris Instruments offers compact & efficient benchtop equipment essential for various laboratory applications. Their products ensure reliable performance and ease of use.	38
		
LABORATORY EQUIPMENT: CENTRIFUGATION		
	Eppendorf and Orto Alresa provide centrifugation equipment for efficient sample separation using rotational force.	40
		
LABORATORY EQUIPMENT: SAMPLE PREPARATION / LIQUID HANDLING		
	Covaris specialize in sample preparation and liquid handling, offering precise and automated solutions for laboratory workflows.	42
LABORATORY EQUIPMENT: OSMOMETERS		
	Elitech osmometers provide advanced, precise osmolarity measurements with user-friendly features for pharmaceutical, medical, and research applications.	44
LABORATORY EQUIPMENT: BENCHTOP		
	Kern provides compact and precise benchtop equipment, essential for accurate measurements in laboratory settings. Their reliable products ensure efficiency and ease of use.	46
AUTOCLAVES & STERILISERS		
	Tuttnauer and Astell Scientific, both leaders in sterilization technology, have been providing trusted autoclaves and sterilizers globally for over 90 and 130 years, respectively.	48
		
REFRIGERATION		
	Fiocchi and Farrar deliver advanced refrigeration solutions for laboratory and medical storage. Their equipment provides consistent temperature control and secure preservation of sensitive materials.	50
		
REFRIGERATION		
	Binder provides reliable refrigeration solutions for laboratory and medical storage needs. Their equipment ensures precise temperature control and dependable preservation.	52
REFRIGERATION		
	MELING BIOMEDICAL or Zhongke Meiling Cryogenics Co., Ltd., is a joint venture which was founded in 2002 by Hefei Meling Co., Ltd. and Chinese Academy of Sciences. They are awarded as a national new high-tech enterprise, engaging in life sciences, family health and cold chain solutions.	54
REFRIGERATION		
	Farrar offers trusted and efficient refrigeration solutions tailored for laboratory and medical storage. Their systems guarantee the optimal preservation of sensitive materials, ensuring safety and reliability in critical environments.	62
BIOREACTORS		
	Cellexus pioneers life sciences with cutting-edge bioreactor technology for efficient cell culture processes. Their innovations enhance productivity and reliability in cell therapy manufacturing.	64
INNOVATIVE MICROPLATE READER TECHNOLOGY		
	Molecular Devices leads in microplate reader technology, offering high-performance tools for reliable data collection in life sciences research.	66

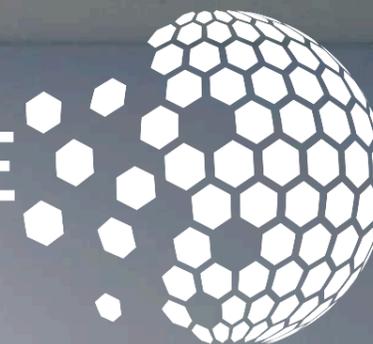
BROUGHT TO YOU BY: ACCUSCIENCE

OUR PURPOSE

Accuscience is a specialised value adding distributor, supplying essential products and services to the Medical, IVD and Scientific (Pharmaceutical, Life Sciences and Food/Bev) sectors in Ireland.

Our purpose is to deliver exceptional product and service solutions helping our customers achieve outstanding results.

ACCUSCIENCE



OUR PEOPLE

Superior Customer Service & Support

The customer is at the forefront of everything we do and that is why we source the highest quality products, while providing technical expertise and superior support and service.

We believe that the core strength of our company lies in the level of expertise and technical knowledge evident in our workforce.

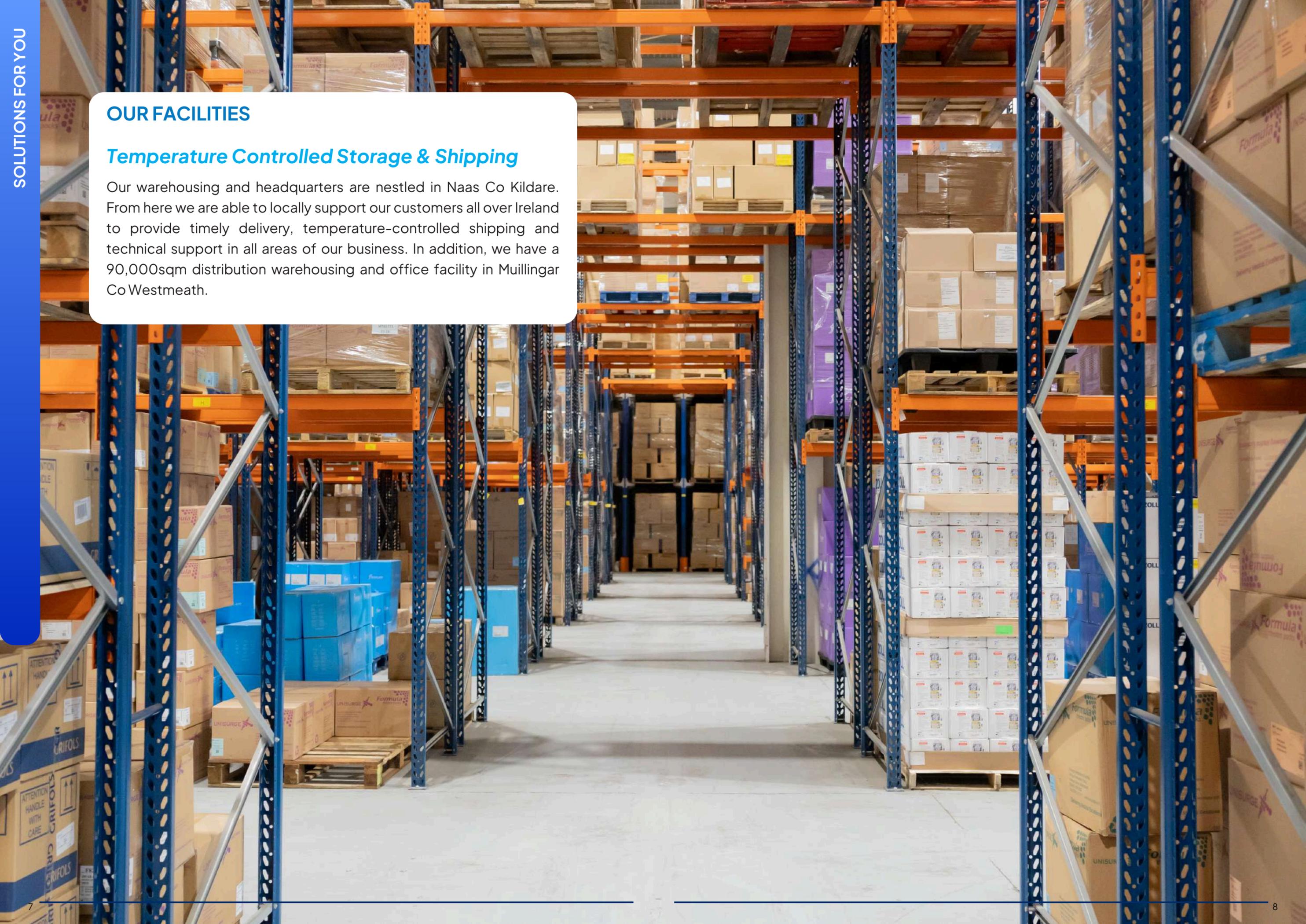
Accuscience offers full technical support for each of our product lines. Our people are all experts in their field and will be able to answer any technical questions you may have.



OUR FACILITIES

Temperature Controlled Storage & Shipping

Our warehousing and headquarters are nestled in Naas Co Kildare. From here we are able to locally support our customers all over Ireland to provide timely delivery, temperature-controlled shipping and technical support in all areas of our business. In addition, we have a 90,000sqm distribution warehousing and office facility in Mullingar Co Westmeath.





Servicing & Technical Support

Certified installation and after sales service provision for all instrumentation

Effective installation and efficient after sales technical support is a key element of the Accuscience and Technopath's combined service offering. We have a dedicated engineering and service management team providing a comprehensive suite of preventative maintenance and repair service offerings covering our complete instrumentation portfolio.

Our team of highly trained engineers is supported by a team of dedicated Service Co-Ordinators who liaise directly with customers to schedule preventative maintenance and repair visits and manage any service related enquiries.



Our Services:

- ✓ Site Surveys and installation planning
- ✓ IQ/OQ
- ✓ Suite of preventative maintenance programs
- ✓ Calibration services
- ✓ Breakdown and repair services
- ✓ Technical support and training
- ✓ Nationwide coverage
- ✓ Certified engineers
- ✓ Certified reports, documentation and certification
- ✓ Telephone, in-House and on-site support



Newly accredited in 2024!





Applications Support

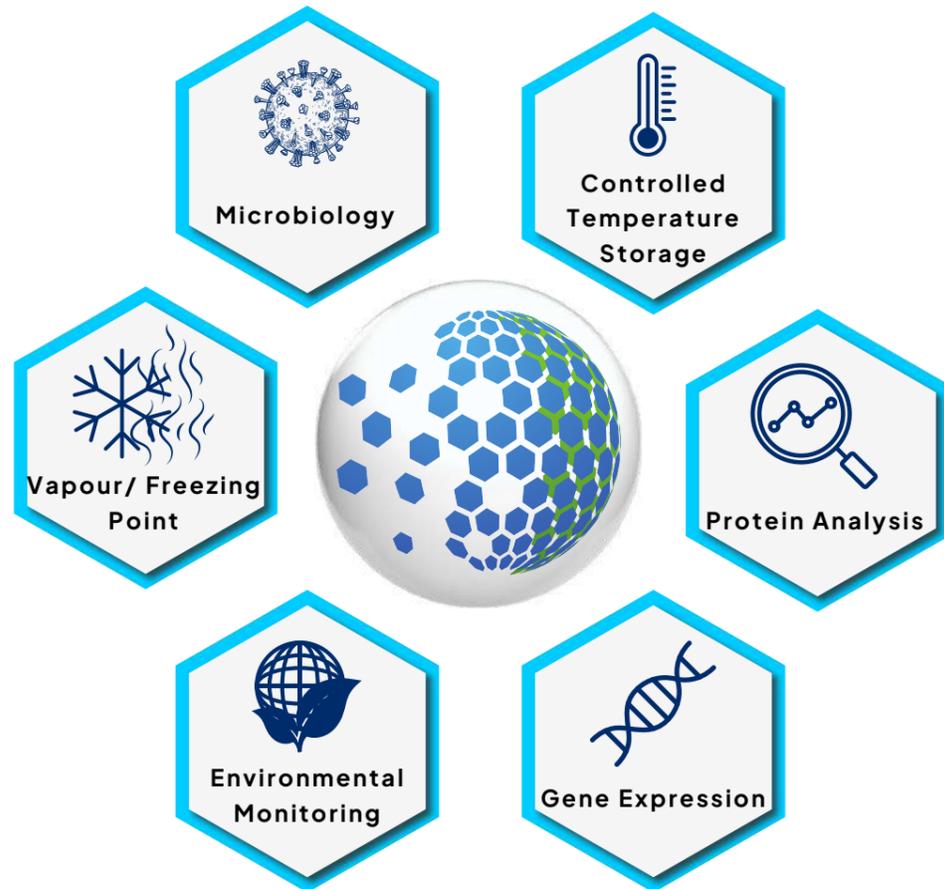
As professionals in the Pharmaceutical sector, we're committed to elevating laboratory performance and compliance in a highly regulated environment.

Our expert team of Product Applications Specialists is dedicated to providing unparalleled support, training, and guidance on our cutting-edge diagnostic instruments and software solutions.

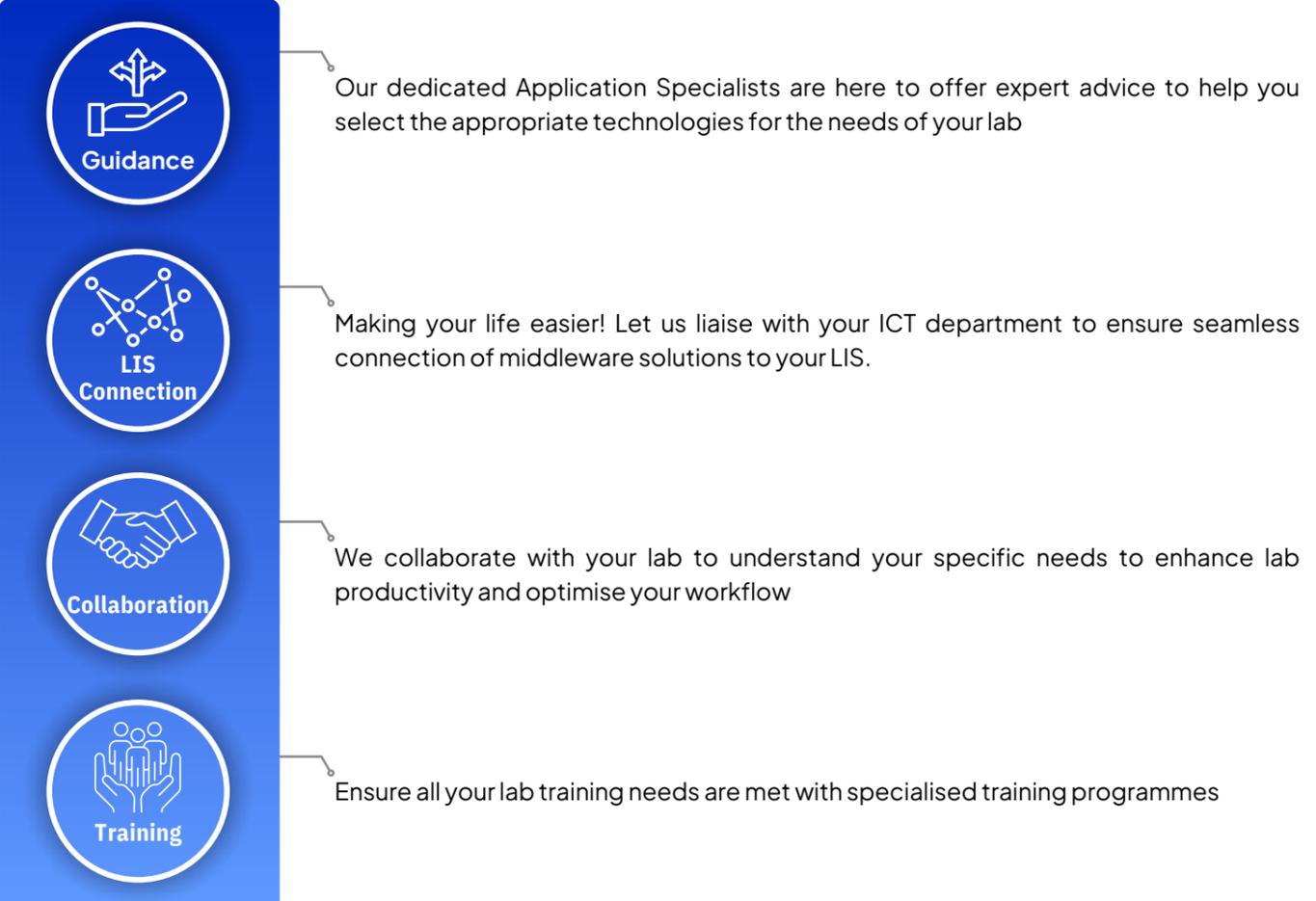
With a deep understanding of laboratory workflows and regulatory requirements, we ensure seamless integration and optimal utilisation of our technology.

Trust Accuscience to be your partner in advancing healthcare, empowering laboratories to deliver accurate and efficient diagnostic results.

Our dedicated Application Specialists cover platforms in:



What We Offer



BIO-RAD

ELECTROPHORESIS & BLOTTING PRODUCTS

**BIO-RAD**

Bio-Rad Laboratories, founded in 1952, is a global leader in life science and clinical diagnostics. Known for innovative products like Electrophoresis and Blotting tools, Bio-Rad emphasizes quality and efficiency.

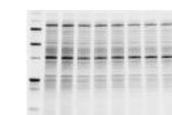
Their tools, including the Trans-Blot Turbo system, are essential for DNA, RNA, and protein analysis, transferring proteins in just three minutes. Serving research and healthcare, Bio-Rad's technologies are crucial in advancing scientific discovery and healthcare worldwide.

**Protein Electrophoresis and Blotting**

- 1-D & 2-D Electrophoresis Equipment
- Mini-PROTEAN TGX Gels
- Electrophoresis & Western Blotting Cells
- Reagents & Standards

**Trans-Blot Turbo Transfer System**

- Rapid blot transfer
- High throughput
- Greater transfer efficiency
- Environmentally friendly

**Stain-Free Western Blotting**

- Separate Proteins
- Visualise Protein Separation
- Protein Transfer
- Assess Transfer Efficiency

**Power Supplies**

- PowerPac Universal Power Supply
- PowerPac™ HC High-Current Power Supply
- PowerPac™ Basic Power Supply
- PowerPac HV High-Voltage Power Supply

IMAGING SYSTEMS AND SOFTWARE

**BIO-RAD**

Bio-Rad provides a full line of imaging systems with intuitive acquisition and data analysis software designed for a large spectrum of protein and nucleic acid applications.

**Imaging Systems and Software**

ChemiDoc Imagers offer best-in-class performance with ease of use for fluorescence and chemiluminescence detection and all general gel documentation applications

- ChemiDoc MP
- ChemiDoc Go

**Gel Documentation System**

Automated gel imaging and documentation for research laboratories and cGMP manufacturing environments.

- GelDoc Go System
- GS-900 Calibrated Densitometer

**Image Analysis Software**

Bio-Rad provides a suite of imaging software that allows you to acquire and analyze robust, publishable results with ease.



BIO-RAD

MUTATION/PATHOGEN DETECTION (PCR, QPCR)



BIO-RAD

Bio-Rad offers a leading range of PCR and qPCR products, renowned for their high performance and technological innovation. These products are essential for enhancing the accuracy and reproducibility of nucleic acid amplification in genomic experiments, making them a mainstay in research laboratories for gene expression studies.



CFX Opus 96
Real-Time PCR System

✓ Powerful 5-channel multiplexing with our best thermal uniformity and modernized data management options.



CFX Opus 384
Real-Time PCR System

✓ Our high-throughput system with 4-channel multiplexing, automation capabilities, and more.



CFX Duet
Real-Time PCR System

✓ Accessible qPCR for essential molecular testing.



CFX Opus Deepwell
Real-Time PCR System

✓ Industry-leading technology for large-volume reactions in real-time PCR applications.

MUTATION/PATHOGEN DETECTION (DIGITAL PCR)



BIO-RAD

Since its introduction, ddPCR technology has advanced critical fields of research through unmatched sensitivity, precision, and absolute quantitation. Now the QX600 System provides advanced, 6-color multiplexing to maximize the number of biomarkers interrogated per well, allowing the preservation of precious samples and reducing lab burden.

QX600 Droplet Digital PCR System

Since its introduction, ddPCR technology has advanced critical fields of research through unmatched sensitivity, precision, and absolute quantitation.

Now the QX600 System provides advanced, 6-colour multiplexing to maximise the number of biomarkers interrogated per well, allowing the preservation of precious samples and reducing lab burden.



BIO-RAD

ANTIBODIES



BIO-RAD

Bio-Rad Antibodies provide complete solutions for all your antibody needs, with a large catalog of highly cited antibodies, and the ability to provide custom monoclonal generation in just 8 weeks.

THINK ANTIBODIES
THINK BIO-RAD

APPLICATIONS

- ELISA and Immunoassays
- Flow Cytometry
- Immunofluorescence/ICC
- Immunohistochemistry
- Immunoprecipitation
- Western Blotting

RESEARCH AREAS

- ▶ • Cancer
- ▶ • Cell Biology
- ▶ • Cell Health
- ▶ • Cell Proliferation and Viability Immunology
- ▶ • Infectious Diseases
- ▶ • Innate Immunology
- ▶ • Neuroscience
- ▶ • Regulated Cell Death
- ▶ • Stem Cells
- ▶ • Veterinary Research



CHROMATOGRAPHY



BIO-RAD

Selecting the correct chromatography resins, columns, and systems for your target molecule is critical to making the downstream purification process more efficient, and for developing high purity biotherapeutics. Our products and solutions can help you develop and manufacture high-quality biological products.

NGC Medium-Pressure Chromatography Systems



NGC Fraction Collector

BioFrac™ Fraction Collector

- ▶ **Versatile Platform:** Adapts to research needs; option to choose from pre-configured systems or customize with various components.
- ▶ **Customisation Options:** Includes versatile valves, pumps, detectors, and accessories.
- ▶ **Sophisticated Capabilities:**
 - Multi-wavelength UV-Vis detection.
 - pH monitoring.
 - Column scouting.
 - Automated buffer blending.
- ▶ **Seamless Control:** Integrated control of the NGC system and fraction collectors.
- ▶ **ChromLab™ Software:** Enables analysis of runs; available in standard and User Management and Security Editions.

IMPLEN



Implen is a leading supplier of spectroscopy benchtop instruments and consumables for the non-destructive analysis of ultra low volume samples. The company focuses on biological, chemical and pharmaceutical laboratories in industry and research.



Implen Spectrophotometer
NanoPhotometer® N120

Microvolume High Throughput Spectroscopy



Scan the QR code



Implen Spectrophotometer
NanoPhotometer® NP80
All-in-One Spectroscopy



Scan the QR code



Implen Spectrophotometer
Nanophotometer N60 / N50
Microvolume Spectroscopy



Scan the QR code



Implen Spectrophotometer
NanoPhotometer® C40
Cuvette Spectroscopy



Scan the QR code



Best conditions for your success

BINDER



GROWTH



COLD STORAGE



DRYING AND HEATING CHAMBERS (OVENS)



ENVIRONMENTAL CHAMBERS

GROWTH



Best conditions for your success

Binder provides equipment that precisely maintains conditions for biological research, including incubation and plant growth. Their range includes CO2 incubators for cell growth, standard incubators with reliable convection, energy-efficient refrigerated incubators, and growth chambers simulating natural conditions.

Binder focuses on accurate temperature and humidity control, ensuring easy documentation of research involving living organisms.

CO2 Incubators



Model CB 170

Model CB 170

Standard Incubators



Series CB

Series CBF

Cooling Incubators



Series KB ECO

Series KB

Series KT

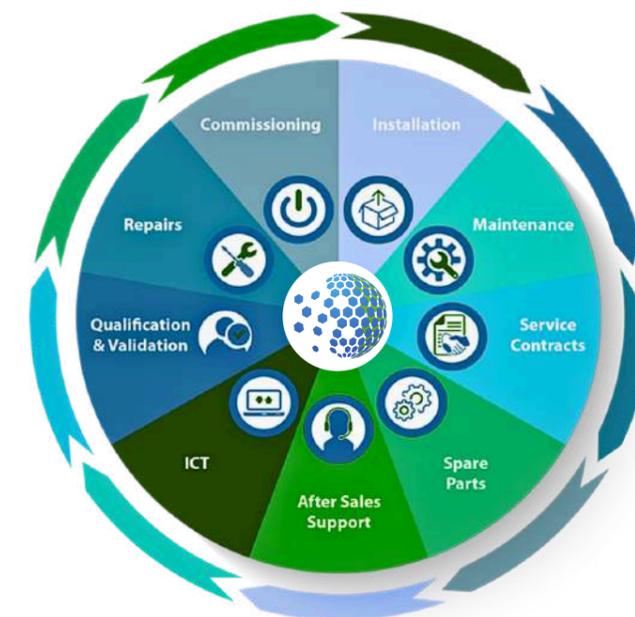
Growth chambers



Model KBW 720

Model KBW 400

Model KBW 240





Best conditions for your success



 **COLD STORAGE**

 **GROWTH**

 **DRYING AND HEATING CHAMBERS (OVENS)**

 **ENVIRONMENTAL CHAMBERS**

COLD STORAGE



Best conditions for your success

An ultra-low temperature freezer must reliably cool samples and offer user-friendly safety and control, including easy temperature traceability. Energy efficiency and climate-neutral refrigerants are also key. BINDER meets these demands with a revolutionary ULT freezer that sets new standards in safety and environmental friendliness, aligning with BINDER's commitment to scientific laboratories.



Cold Storage (Ultra Low Temperature Freezers)



Model UFV 700
Ultra-low temperature freezers with climate-neutral refrigerants



Model UFV 500
Ultra-low temperature freezers with climate-neutral refrigerants

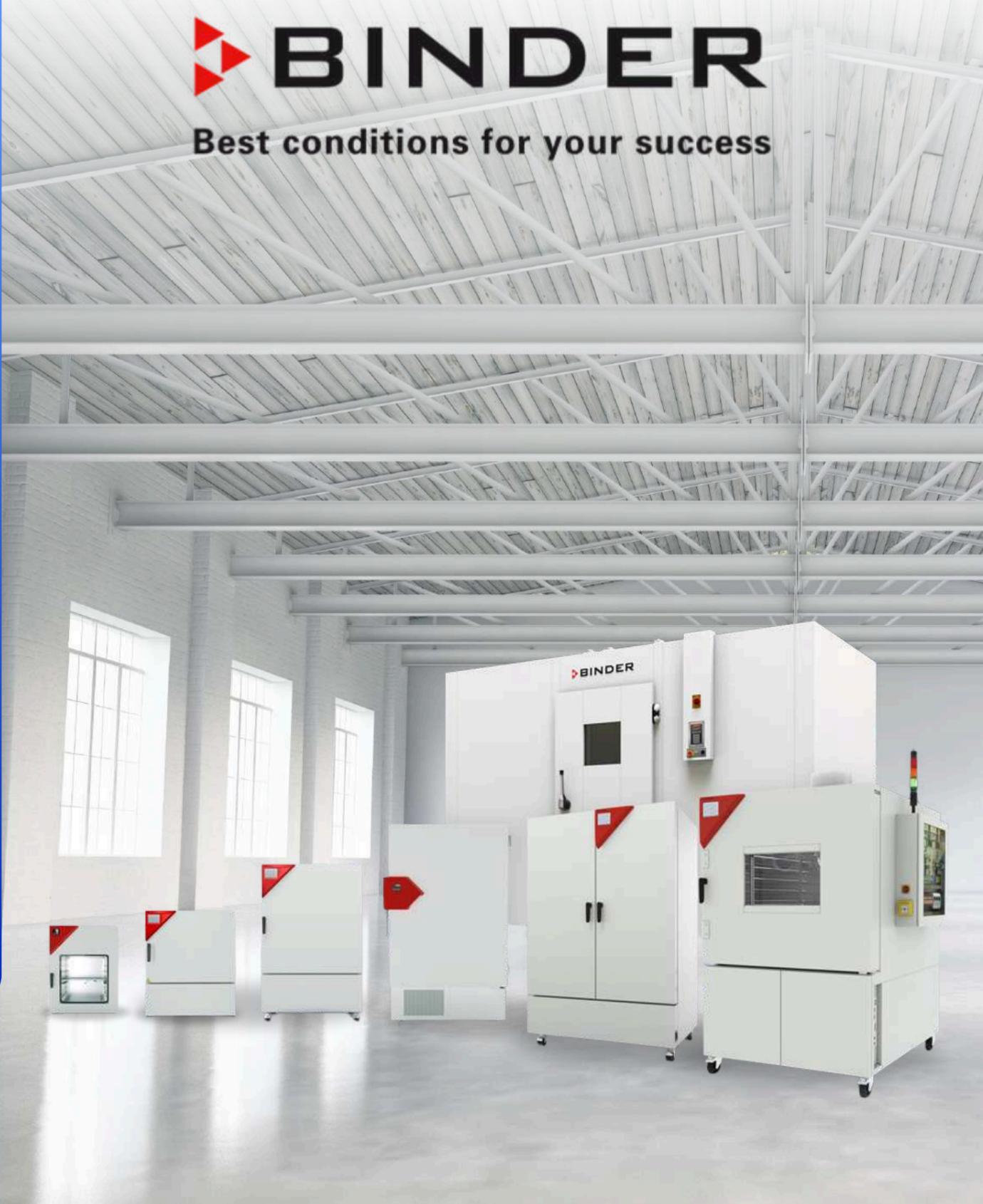


Model UFV 350
Ultra-low temperature freezers with climate-neutral refrigerants



BINDER

Best conditions for your success



-  **DRYING AND HEATING CHAMBERS (OVENS)**
-  **GROWTH**
-  **COLD STORAGE**
-  **ENVIRONMENTAL CHAMBERS**

DRYING AND HEATING CHAMBERS (OVENS)



BINDER's drying and heating chambers are known for precision and reliability, ideal for various heating and drying applications. With advanced temperature control and uniform heat distribution, they ensure optimal conditions for sample processing. Designed for efficiency and ease of use, these durable ovens are a top choice for professionals seeking dependable and precise heating solutions.

Drying and Heating Chambers (Ovens)



Series ED



Series FD



Series E



Series FED



Series M



Series FP



ECO FAMILY
WE GROW GREEN 

Most energy efficient Climate Chambers





Best conditions for your success

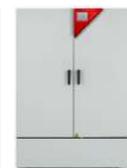


-  ENVIRONMENTAL CHAMBERS
-  GROWTH
-  COLD STORAGE
-  DRYING AND HEATING CHAMBERS (OVENS)

ENVIRONMENTAL SIMULATION CHAMBERS



BINDER's environmental testing chambers, including constant and dynamic climate chambers, as well as walk-in chambers, deliver unmatched precision and versatility. Constant climate chambers ensure stable long-term conditions, dynamic chambers adeptly simulate varied environments, and walk-in chambers facilitate large-scale or multiple tests. These chambers are key for rigorous environmental analysis across various industries, reflecting BINDER's dedication to innovation and quality.

Dynamic climate chambers		Constant climate chambers			Environmental simulation		
							
Series MKF	Series MK	Series KMF	Series KBF-SECO	Serie KBF	Safe testing of lithium-ion cells and modules	Standardized testing under dynamic conditions	The perfect climate for any application

PERFECT TEST CONDITIONS IN THREE DIMENSIONS

Walk-in chambers from BINDER offer a wide range of features and benefits to perfectly meet requirements in stability testing. With either 6 m², 9 m² or 12 m² internal dimensions and 2.3 m height are an excellent choice for stability testing in Pharma, Food & Beverage, Cosmetics, Material Testing and many other fields of application.

Perfect test conditions are maintained in a wide range of temperature from 10°C to 50°C and relative humidity of 20% to 90% RH. In Pharma, our Walk-in Chambers cover long-term and accelerated stability test conditions as specified in the ICH Q1A (R2) for new drug substances and drug products.

Advantages at a glance

-  **SAFE**
stable and uniform environment, 3 years warranty available
-  **RELIABLE**
meets requirements in Pharma industry and fully complies with pharma regulations (ICH) Equipment
-  **SMART**
ease of operation, Maintenance possible with the least possible disruption to the climate conditioning
-  **ECONOMICAL**
environmentally friendly refrigerant with GWP value 547



For stability testing and storage

Series WIC



LABORATORY CONTAINMENT AND CLEAN AIR SOLUTIONS



Telstar specialises in innovative solutions for the pharmaceutical, biotechnology, and healthcare industries, offering cleanroom systems, freeze dryers, and sterilisation technologies. Their cutting-edge equipment ensures precision, safety, and compliance, empowering industries to achieve excellence.

Class II Biological Safety Cabinet



Bio II Advance Plus

Benefits

- Compact and ergonomic.
- All maintenance is performed from the front.
- Easy cleaning.
- Simple bio-decontamination process.

Horizontal Laminar Air Flow Cabinet



Aeolus H

Benefits

- High Product protection with air flow quality that creates ISO 14644-1 (Class 4) / GMP Annex 1 (Grade A) working area.
- Low consumption.
- Low sound level.
- Easy to maintain and clean.
- Multiple accessories.
- Possibility to computerize (IT version).

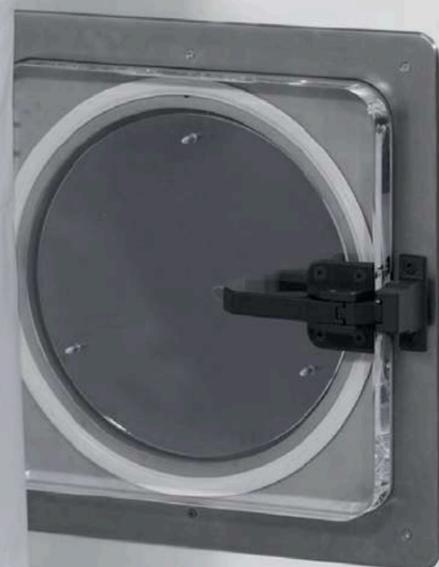
Vertical Laminar Air Flow Cabinet



Aeolus V

Benefits

- High Product protection with air flow quality that creates ISO 14644-1 (Class 4) / GMP Annex 1 (Grade A) working area.
- Low consumption.
- Low sound.
- Easy to maintain and clean.
- Multiple accessories.
- Possibility to computerize (IT version).


Telstar specialises in innovative solutions for the pharmaceutical, biotechnology, and healthcare industries, offering cleanroom systems, freeze dryers, and sterilisation technologies. Their cutting-edge equipment ensures precision, safety, and compliance, empowering industries to achieve excellence.

Basic Research Freeze Dryer



LyoQuest Series

Benefits

- Compact.
- Large capacity for its small size.
- A wide range of accessories for a more personalized design.
- Two models for aqueous or organic products.
- Easy to install and use.
- User friendly interface.

Advanced Research & Scale Up Freeze Dryer



LyoBeta Series

Benefits

- One self-standing unit mounted on casters.
- Recipe optimization capability.
- Top quality materials, components, and techniques.
- Compact design and construction allow for an easy installation and commissioning.
- Multiple configurations adapted to requirements.
- Manufactured under GLP guidelines.
- Possibility to sterilize with VHP.
- Uniformity of product and batches.
- Possibility to adapt to use of solvents.





Rees Scientific was established in 1982 and was the sole provider of automated temperature monitoring systems at the time. They specialise in monitoring your critical equipment and protecting your valuable research.

Rees Scientific works with a wide range of industries, from Pharmaceutical to Blood Banking, Laboratory Animal Research to Biotech and Hospitals, Rees Scientific has become the standard by which other monitoring systems are judged.



VACCINE STORAGE

In meeting today's toughest standards for monitoring and total support documentation, Rees Scientific systems can turn any vaccine storage facility into a complete command and information centre.



PHARMA AND BIOTECH

As an ISO 9001:2015 company, Rees Scientific is constantly upgrading policies, procedures and protocols to comply with today's highly regulated environments. Always expandable, divisible and network compatible, Rees Scientific systems provide you with alarm notification, programming flexibility and a host of other features.



HOSPITAL

Automating environmental monitoring increases accuracy, provides early warnings to address problems before they occur, maintains regulatory compliance, and allows staff to focus on other critical tasks.



REPOSITORIES

As with most businesses, repositories are seeking a competitive edge when bidding on large contracts. Having Rees Scientific as a partner can help your organisation complete its mission statement and provide quality storage for your clients' valuable and often irreplaceable specimens.




TEMPERATURE CONTROL




LAUDA is recognized as the world leader in precise temperature control. Their constant temperature equipment and systems are crucial in numerous applications, actively contributing to a better future.

Strict regulatory requirements and the highest demands on product quality require precise temperature control from research to production scale. Temperature control units help to safely control the process flow in an external reactor - whether chemical, fermentative, or in the production of complex biopharmaceuticals - and subsequently guarantee the safe storage of the valuable products.



CONSTANT TEMPERATURE EQUIPMENT

- Thermostats (Heating, Cooling, Circulation)
- Circulation Chillers
- Water Baths
- Freezers
- Stills
- Shakers



REACTOR TEMPERATURE
CONTROL /
PHARMACEUTICAL
PRODUCTION / ACTIVE
INGREDIENT
DEVELOPMENT



CONTROLLED FREEZING &
THAWING



FERMENTATION



CELL CULTURE

Benchmark
Scientific



ACCURIS
INSTRUMENTS

BENCHTOP EQUIPMENT



Benchmark Scientific | **ACCURIS** INSTRUMENTS

Benchmark Scientific is a leading provider of benchtop lab equipment widely used in life science research. Their range includes mixing instruments like shakers, stirrers, and mixers, as well as incubators, scales, thermal cyclers, and cell counters. Known for reliability and precision, their products cater to diverse laboratory needs and research applications.

BENCHTOP EQUIPMENT

 <p>Benchmark Scientific</p>  <p>SCAN THE QR CODE</p> <p>Incu-Shaker 10L</p>	 <p>ACCURIS INSTRUMENTS</p>  <p>SCAN THE QR CODE</p> <p>Smart Reader Multimode</p>
 <p>Benchmark Scientific</p>  <p>SCAN THE QR CODE</p> <p>Multi-Therm Cool-Heat-Shake</p>	 <p>ACCURIS INSTRUMENTS</p>  <p>SCAN THE QR CODE</p> <p>Next Pette</p>
 <p>Benchmark Scientific</p>  <p>SCAN THE QR CODE</p> <p>my Bath Series</p>	 <p>ACCURIS INSTRUMENTS</p>  <p>SCAN THE QR CODE</p> <p>Quad Count Automated Cell Counter</p>

eppendorf



orto
alresa

CENTRIFUGATION



eppendorf

Eppendorf's product range includes pipettes and automated pipetting systems, dispensers, centrifuges, mixers, spectrometers and DNA amplification equipment as well as ultra-low temperature freezers, fermenters, bioreactors, CO2 incubators, shakers and cell manipulation systems.



CENTRIFUGATION



orto
alresa

Orto Alresa have been designing and manufacturing high quality, low cost centrifuges for over 70 years. Included in their catalogue are mini and micro-centrifuges, up to high capacity and floor standing models.



Centrifuges for general applications



Microcen 24
Small



Biocen 22 R
Microcentrifuge



Bioprocen 22 R
Universal



Consul 22 R
High capacity



Magnusen 22 R
Floorstanding



Dilicen 22 R
High capacity



Covaris provides tools and technologies to improve pre-analytical sample preparation, enable novel drug formulations, and manage compounds in the drug discovery process.

Product & Services

- DNA Extraction & Sampling Kits
- Protein Extraction Kits
- RNA Extraction Kits
- Sample Collection
- Preservation Kits Ultrasonicators

Applications and Solutions:

- DNA/RNA Shearing For NGS
- Chromatin
- Proteomics
- Cell Lysis
- Formulation
- FFPE Extraction
- FFPE Extraction
- Automation

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VAPOR PRESSURE & FREEZING POINT OSMOMETERS


The VAPRO® Vapor Pressure Osmometer Model 5600, designed for pharmaceutical quality control, offers auto-calibration, self-cleaning, diagnostics, and statistical analysis. Its small sample requirement and vapor pressure method make it ideal for analyzing scarce samples, with computer interface and printout options.

The FreezePoint® Freezing Point Osmometer is suited for routine measurements of aqueous solution osmolarity in medical, research, and industrial settings. It features a touch screen, rapid results, built-in printer, PC connectivity, and data-saving standby mode. Its robust design ensures precise, efficient operation with easy maintenance and automatic calibration.

VAPRO® Vapor Pressure Osmometer Model 5600

Applications

- Quality Control
- Pharmaceutical manufacturing and research
- Molecular weight determinations (0 - 10,000 g/mol)
- Cell Biology
- Chemical Industry
- Toxicology
- Food and beverage processing
- Genetic Research

FreezePoint® Freezing Point Osmometer

Applications

- Pharmaceutical quality control
- Electron Microscopy
- General Medicine
- Hemodialysis
- Intensive Care Laboratories
- Pharmacy and Dispensaries
- Physiology
- Veterinary Medicine
- In Vitro Fertilization

Features

- Ease of use: Controlled with a touch screen display and step by step user-guidance for all measurement functions.
- Calibration: Automatic, two or three point calibration.
- Design: the robust design of the instrument makes it easy to handle and maintain.
- Data Tracking: Built in printer (Models 6000P / 6000SP) for physical copies and USB or RS232 connections for digital copies. Last results remain available after switching to automatic stand-by mode.
- Quality Management: QM assistance for the laboratory supervisor.



Founded in 1947 by Marc Kern, Kern has been a family-owned company with a longstanding tradition in precision laboratory equipment. Based in Konolfingen, Bern, Switzerland, Kern quickly gained international recognition for its high-quality products. They specialise in a range of benchtop laboratory equipment, particularly known for their precision balances.

These balances include laboratory balances for exact measurements, portable pocket balances, school-friendly balances, analytical balances for detailed analysis, versatile precision balances for various lab tasks, and moisture analyzers critical in many research and quality control scenarios. Kern's reputation is built on accuracy, reliability, and catering to a wide spectrum of scientific, educational, and industrial needs

Benchtop Equipment



Precision balance

SCAN THE QR CODE



Phase Contrast Microscope

SCAN THE QR CODE



Analytical balance
ABP 200-5AM

SCAN THE QR CODE



Digital Microscope Set

SCAN THE QR CODE



Moisture analyser

SCAN THE QR CODE



Inverted Fluorescence
Microscope

SCAN THE QR CODE



INVENTORY
MADE EASY



precise
robust
efficient



- Moisture Analysers
- Precision Balances
- Analytical Balances
- Bench Scales
- Transmitted Light Microscopes
- Metallurgical Microscopes
- Polarising Microscopes
- Stereo Microscope Refractometers



Astell

LABORATORY EQUIPMENT : AUTOCLAVES & STERILISERS



Tuttnauer

For over 95 years, Tuttnauer has been a global leader in sterilization and infection control, trusted by hospitals, research institutes, clinics, and labs in over 140 countries. Their autoclaves, known for safety and reliability, are essential in healthcare and research, showcasing their long-standing expertise in sterilization technology.

60 and 85 Liter Chamber-T-Lab Eco

The T-Lab Eco autoclave is a cost-effective sterilization solution for labs, featuring IoT connectivity, cloud-based monitoring, and optimized resource usage. It's ideal for handling a wide range of lab items while improving efficiency.



- 60/85L Chamber
- IoT Connectivity
- Cloud-Based
- Paperless Operation
- Universal Capacity
- Resource Optimization

3870EL-DBenchtop autoclave

Designed to save space on your laboratory workbench, the 3870EL is a front loading benchtop autoclave that provides high quality, repeatable performance and accountability for a wide range of applications used in modern laboratories.



- Advanced Control System
- Intuitive Multi-Color Display
- Safe
- High Quality Stainless Steel
- Optional Internal Printing
- Diverse Load Types

Laboratory Autoclave Sterilizers

Meeting the highest standards for quality, safety and performance, Tuttnauer's advanced laboratory autoclaves are trusted by life science labs and research institutes throughout the world. Rely on Tuttnauer with complete peace of mind.



LABORATORY EQUIPMENT : AUTOCLAVES & STERILISERS

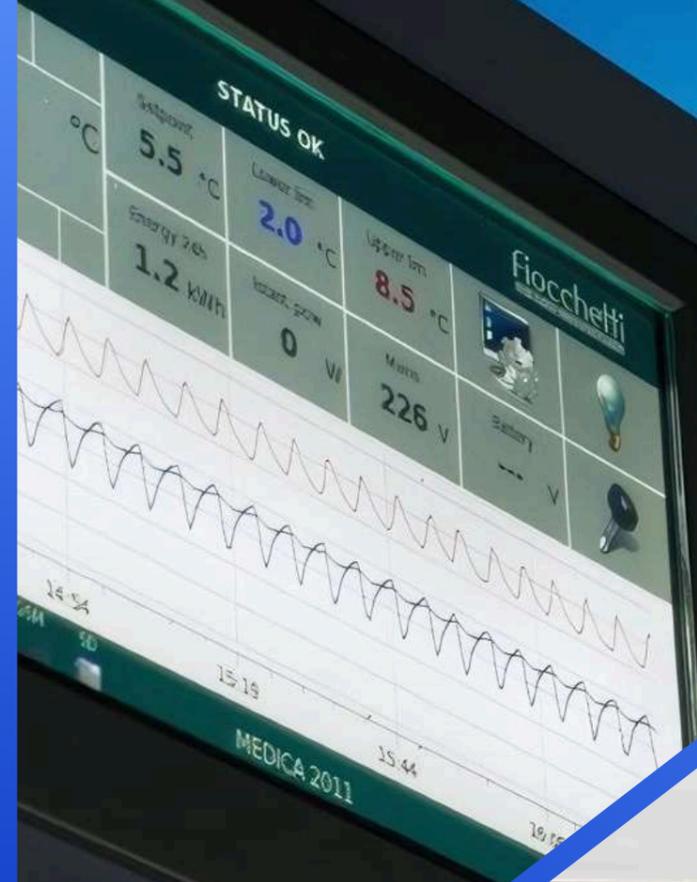


Astell

Astell Scientific, with over 130 years of experience, stands as a pioneering manufacturer and supplier of autoclaves and sterilizers. Their products, which include both standard and customized solutions tailored to specific requirements, are utilized in laboratories across more than 100 countries globally.

Astell's enduring legacy and expertise in the field have made them a trusted name, known for their commitment to quality and innovation in developing advanced sterilization equipment. This rich history underscores their capability to meet diverse sterilization needs in various laboratory settings worldwide.





REFRIGERATION (-20 ° TO +4 °)



Fiocchetti, a leader in Italian refrigeration, is known for reliable and safe refrigerators and freezers. Trusted in hospitals, clinics, labs, and research centers worldwide, their products ensure precise temperature control and stability, essential for preserving sensitive materials in healthcare and research.

FREEZERS

- Ultra Low
- Laboratory
- Plasma

REFRIGERATORS

- Blood Bank
- Portable
- Pharmacy
- Laboratory

COLD ROOMS

Blood product storage

- **VACCINE STORAGE**



REFRIGERATION SOLUTIONS



FARRAR® REFRIGERATION SOLUTIONS FOR LIFE SCIENCE APPLICATIONS



FLR125

- **Application:** 4°C upright precision temperature control refrigerator
- **Storage Volume:** 714 L



FLR120

- **Application:** 4°C Upright precision temperature control refrigerator
- **Storage Volume:** 572 L



FLR245

- **Application:** 4°C upright precision temperature control refrigerator
- **Storage Volume:** 1271 L



FLR105

- **Application:** 4°C Undercounter precision temperature control refrigerator
- **Storage Volume:** 150 L



FUF126

- **Application:** -80°C upright precision temperature control freezer
- **Storage Volume:** 736 L



FLF105

- **Application:** -30°C Undercounter precision temperature control freezer
- **Storage Volume:** 150 L



Best conditions for your success



ULTRA LOW TEMPERATURE FREEZERS



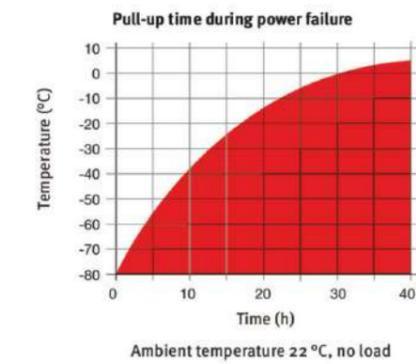
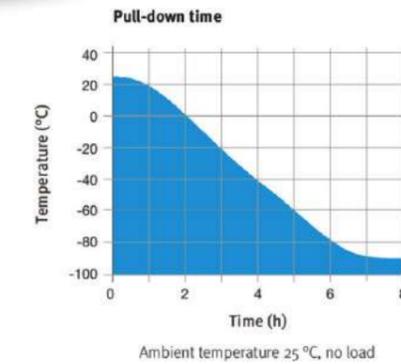
Best conditions for your success



ULTRA LOW TEMPERATURE FREEZERS WITH CLIMATE-NEUTRAL REFRIGERANTS

The spotlight is on environmentally-friendly design in the new BINDER ultra low temperature freezer. This applies particularly to the best energy efficiency in its class and the lack of refrigerants that are harmful to the climate.

A multi-layered safety concept allows users to mix and match elements to suit any environment. With practical unit sizes appropriate, sophisticated options and practical accessories, users have everything they need for reliable long-term storage of highly sensitive samples.



BINDER's ultra-low temperature freezer excels in eco-friendliness, leading its class in energy efficiency and using climate-friendly refrigerants. Designed for secure long-term storage, it offers customizable safety features, perfect for sensitive samples. Crucial for vaccine storage, it ensures absolute temperature stability, vital for preserving vaccine efficacy within a range of -90 °C to -40 °C, supported by a robust multi-level safety concept.



BENEFITS OF THE UF V 700

- Lowest energy consumption in its class
- Environmentally-friendly refrigerants R-290 and R-170
- Thermal insulation with unique long-life VIPs (vacuum insulation panels)
- Rust-proof interior made completely of stainless steel





MELING BIOMEDICAL or Zhongke Meiling Cryogenics Co., Ltd., is a joint venture which was founded in 2002 by Hefei Meling Co., Ltd. and Chinese Academy of Sciences. They are awarded as a national new high-tech enterprise, engaging in life sciences, family health and cold chain solutions.

Their company's main products include lab / medical refrigerator's and freezer's , ultra low temperature freezer's, blood bank refrigerator's, inventory rack/boxes , professional cold rooms, and bio-bank management.



-86°C Ultra Low Temperature Freezer Vaccine Freezer DW-HL528

- Fast refrigeration for target temperature
- High-efficiency compressor, Hydrocarbon environmental refrigerant
- Ultra low noise design for environment friendly
- Reduce power consumption of the freezer by 40%
- Equipped with VIP vacuum thermal insulation plate



SCAN THE QR CODE

-86°C Undercounter Ultra Low Freezer Freezer for Laboratory and Medical Freezer DW-HL100

- High-precision Temperature Control System
- Powerful Refrigeration System
- Effective Thermal Insulation System
- Audible and Visual Alarm System
- Platinum resistor temperature sensors



SCAN THE QR CODE

2°C~8°C/-10°C~-26°C Medical Refrigerator and Freezer combo YCD-EL450

- High-precision Computerized Temperature Control System
- High-efficiency Refrigerating System
- Comprehensive Security System
- Direct cooling and electronic temperature control
- Tube-type condenser and built-in type evaporator



SCAN THE QR CODE



FARRAR® REFRIGERATION SOLUTIONS FOR LIFE SCIENCE APPLICATIONS

MODULAR STORAGE



ULC-190

- **Application:** (+2°C to +8°C and -20°C to -80°C operation) redundant precision forced-air convection freeze/store chamber w/ material handling
- **Storage Volume:** 5,380 L



ULC-259

- **Application:** (+2°C to +8°C and -20°C to -80°C operation) redundant precision forced-air convection freeze/store chamber w/ material handling
- **Storage Volume:** 7,334 L



ULC-328

- **Application:** (+2°C to +8°C and -20°C to -80°C operation) redundant precision forced-air convection freeze/store chamber w/ material handling
- **Storage Volume:** 9,288 L

BIOPROCESSING



4000 CONTROLLED RATE CHAMBER

- **Application:** Precision Analog-controlled forced-air convection processing controlled-rate freeze/thaw chamber
- **Storage Volume:** 659.8 L



4000-LC SERIES CONTROLLED RATE CHAMBER

- **Application:** Precision HMI-controlled forced-air convection processing controlled-rate freeze/thaw chamber
- **Storage Volume:** 659.8 L



FARRAR® CYCLONE™

ENGINEERED FOR PRECISION AND SUSTAINABILITY IN PHARMACEUTICAL OPERATIONS

FARRAR CYCLONE is ideal for applications that require:

- Frequent access to stored material (>2x per day)
- Temperature stability to protect high-value materials from temperature excursions caused by frequent door openings or transient warming
- Freezing and storing of bulk and finished drug materials
- Flexible chamber set points (-20°C to -80°C)
- Achieve performance demands without sacrificing sustainability goals
- Maximized storage space utilization and footprint



Powerful Performance

Chest-like temperature recovery in the convenience of an upright with precise, forced air convection cooling.

Automatic Defrost

Automatic evaporator defrost helps ensure system-level cooling capacity remains at peak performance.

Optimal Footprint

Fit more units in the same space without impacting performance. Maximized volume to-footprint ratio with top-directing heat rejection virtually eliminates footprint clearance requirements.

Essential Flexibility

The dual-purpose design allows you to freeze and store in one unit and has a wide temperature range for increased flexibility.



DUAL PURPOSE FREEZING & STORING

Reduce capital expenses with simplified processing



FAST TEMPERATURE RECOVERY AFTER DOOR OPENINGS

Purpose-built for frequent access



FAST & EASY MAINTENANCE

Quick change refrigeration system



UNMATCHED UNIFORMITY

Validation at any set point



SUSTAINABLE PERFORMANCE

Powered by natural low GWP refrigerants and designed to meet ENERGY STAR® compliance

NEW

FARRAR® CYCLONE™



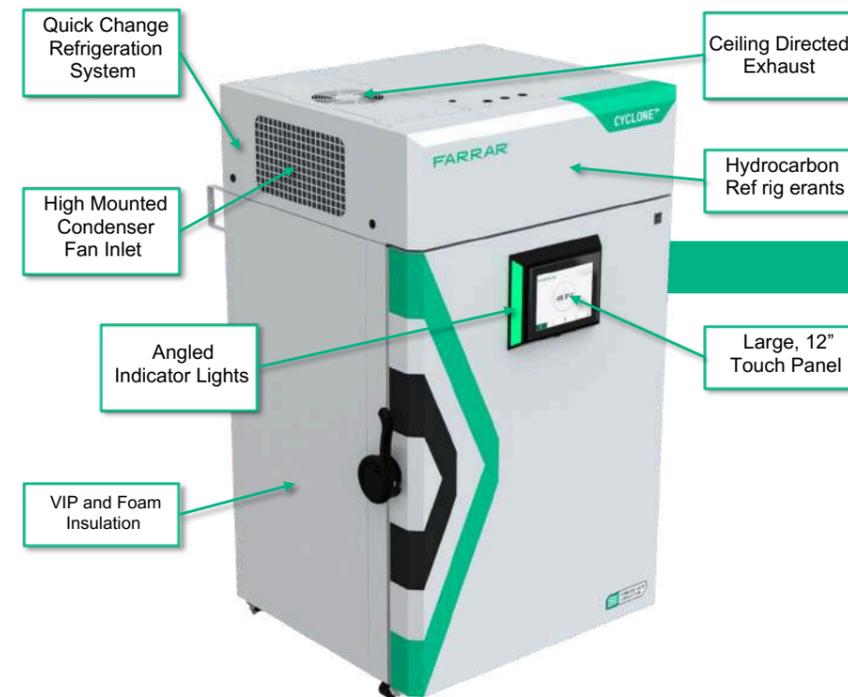
ENGINEERED FOR PHARMA OPERATIONS

- Fast Temperature Recovery from Door Openings
- Sustainable Performance
- Flexible Storage Configurations
- Unmatched Uniformity
- Designed for Freezing and Storing Bulk and Finished Pharma Materials

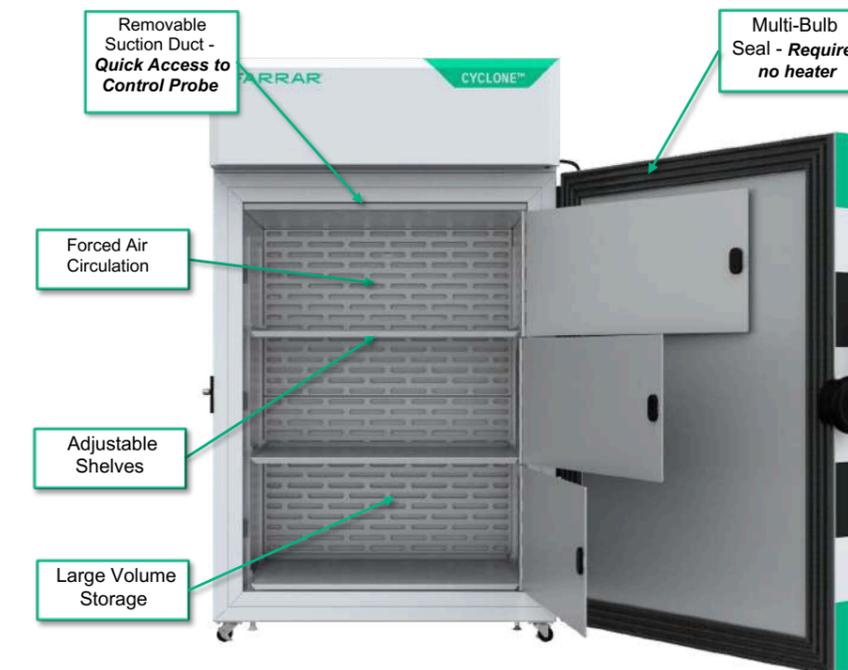


CUSTOMER BENEFITS

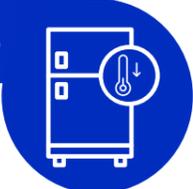
- Nearly unrestricted access to contents with fast door recovery
- Extremely tight uniformity allows full utilization of chamber at all setpoints
- Wide temperature set point range for process flexibility and reduced capital expenditures
- Minimal down time when servicing with quick change, packaged refrigeration system
- Purpose built for freezing and storage operations with 3x freezing capacity over standard ULTs
- Maximize storage volume for bags, bottles and boxes
- Integrated system status interfaces with most BAS/monitoring solutions
- Automatic evaporator defrost helps ensure system level cooling capacity remains at peak performance
- Sustainability and performance with low GWP, hydrocarbon refrigerants and ENERGY STAR® compliance



FARRAR® CYCLONE™
Video



FARRAR® CYCLONE™
Tech Data Sheet



ULTRA-LOW TEMPERATURE FREEZER



FARRAR -50°C to -86°C lab grade ultra-low temperature freezers are designed and configured for precision temperature storage within biopharmaceutical and life science research applications. Designed with ENERGY STAR® certification in mind and SNAP/EU-F-gas compliant, the FARRAR ULT helps minimize environmental impact by pairing a variable capacity compressor with low global warming potential (GWP) natural hydrocarbon refrigerants. In addition to supporting sustainability goals, this ULT Freezer delivers superior temperature performance across three key areas – chamber uniformity, reliability, and temperature recovery.

Affordably priced, FARRAR's ULT operates quietly to help ensure productive workspaces and has undergone Accelerated Life Testing (ALT) to deliver a long service life in a busy lab environment.



Temperature Uniformity and Performance

FARRAR's -50°C to -86°C ULT offers wide range temperature management to meet drug product, drug substance and other biologic temperature requirements. FARRAR's FUF126 is optimized to help ensure:

- **Uniformity** – Consistent temperature throughout the chamber (+/-5°C)
- **Recovery** – Rapid return to temperature set point after door opening



Product Quality and Reliability

The FUF126 is engineered to last. FARRAR ultra-low temperature freezer solutions must pass stringent Accelerated Life Testing (ALT) to ensure long-term reliability. ALT Testing includes:

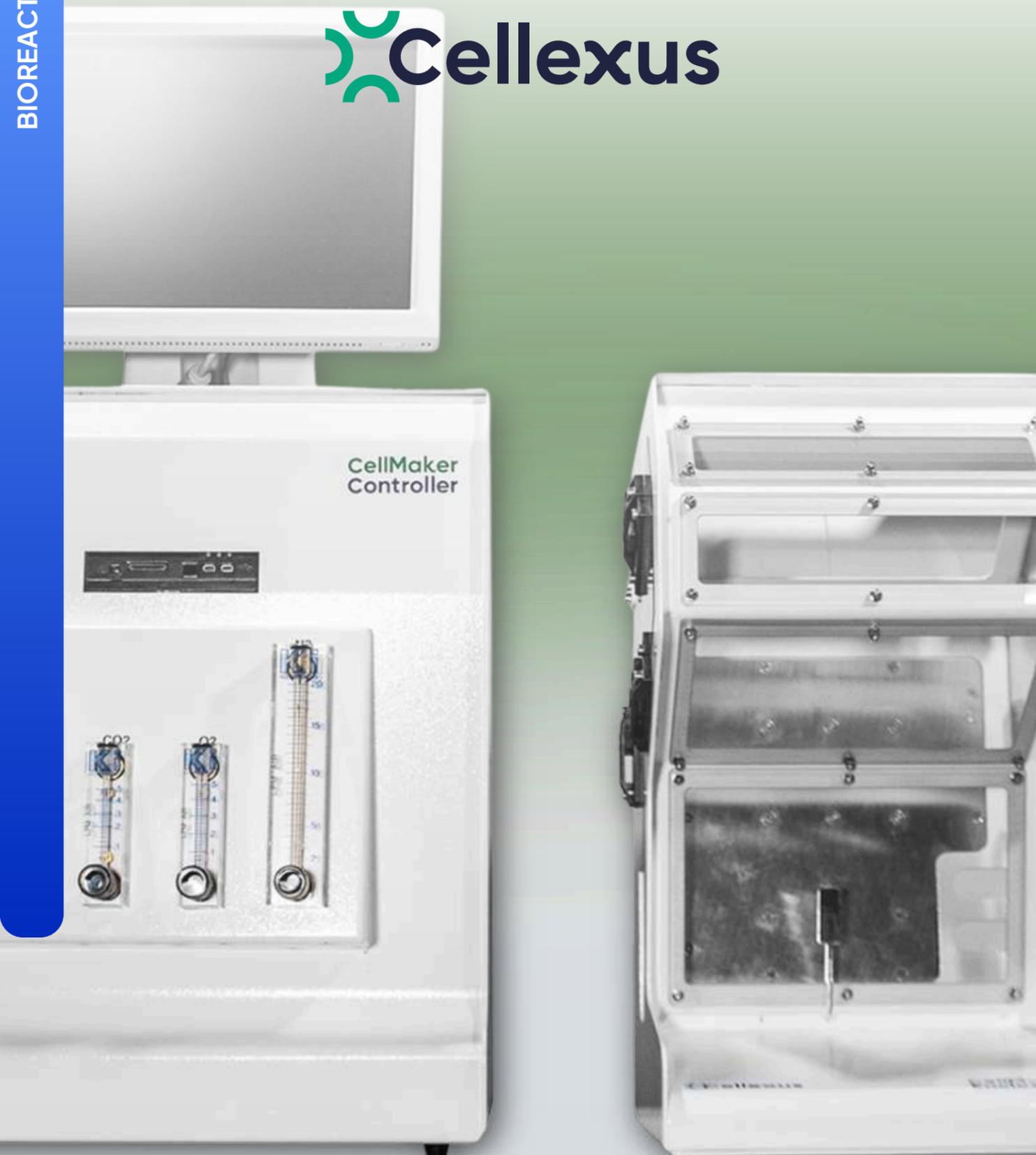
- Accelerated stress factors above normal use conditions
- Elevated ambient temperatures
- Elevated humidity
- Elevated voltage



Energy Efficiency and Sustainability

Configured for life science storage operations, the FUF126 is engineered with energy-efficient technologies to help organizations meet sustainability goals. FARRAR uses stainless steel for longevity and recyclability. To minimize impact, the FUF126 uses natural refrigerants.

- Designed to meet ENERGY STAR certification
- Utilizes low GWP hydrocarbon refrigerants (R290/R170)
- EPA SNAP, and EU F-GAS standards/requirements testing pending



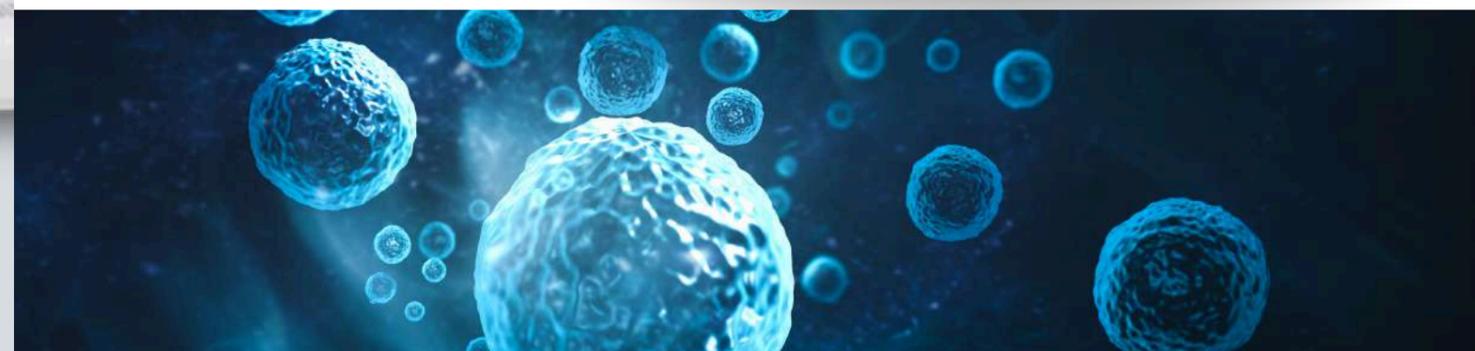
Cellexus is a company recognized for developing innovative bioreactor systems, notably the CellMaker series, for the life sciences and pharmaceutical industries. Their focus is on enhancing cell culture and fermentation processes with user-friendly, efficient, and single-use technology.

By simplifying workflows and reducing contamination risks, Cellexus aims to advance biotechnology research and production, ensuring high-quality outcomes in these sectors.

The CellMaker range of revolutionary, single-use airlift bioreactor systems simplify, accelerate and improve cell culture and fermentation processes with a system expertly designed for the life sciences and pharmaceutical industries.

BENEFITS OF SINGLE-USE AIRLIFT SYSTEM

- Eliminates the need for mechanical mixing
- Excellent Oxygen Transfer Rate (OTR)
- No cleaning required thanks to the disposable CellMaker Bioreactors.
- No additional equipment, such as shakers, rockers and external heating and cooling systems required.
- A self-contained system to save you space in the lab.





INNOVATIVE MICROPLATE READER TECHNOLOGY



Molecular Devices is a leading provider of innovative microplate reader technology, revolutionizing life sciences research. Their cutting-edge products empower researchers with high-performance tools for precise and reliable data collection, enhancing productivity in drug discovery, cell biology, and biotechnology applications.



SpectraMax iD3 and iD5 Multi-Mode Microplate Readers

Absorbance|Luminescence|Fluorescence

Multi-user microplate readers with a large touchscreen and NFC functionality



Scan the QR code



SoftMax Pro Software

The most published microplate reader control and data analysis software



Scan the QR code



Cellular Imaging Systems

High-content imaging and high-content screening solutions, ranging from automated digital microscopy to high-throughput confocal imaging systems with modern machine learning analysis software.



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Clone Screening

Dedicated solutions for clone screening and single-cell isolation, increasing the probability of identifying rare, high-value clones using advanced imaging, automation, and precision robotics.



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