



SciMed (Asia) Pte Ltd

196 Pandan Loop
#07-11 Pantech Business Hub,
Singapore 128384

Tel: +65 6779 3388
Fax: +65 6266 3086
Service Hotline: +65 6735 1333

Sales & Feedback: sales@scimed.com.sg
Services & Support: services@scimed.com.sg

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www.scimed.com.sg

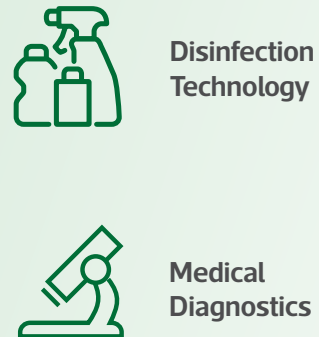
THE SCIENCE OF LIFE

SciMed General Catalogue

Our strategic partnerships include PHCbi, STERIS, Tecan, Corning, Aralab, Baker Ruskinn, Gilson, Infors, SP Scientific, and other renowned life science companies to provide our customers with the optimal combination of solutions and services to meet their research and scientific requirements.



The image contains two green line-art icons. The top icon is a circular arrow surrounding a snowflake, representing cold chain management. The bottom icon is a robotic arm, representing laboratory automation.



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Providing excellent and
quality service

SCIMED PROFILE

SciMed (Asia) Pte Ltd, headquartered in Singapore since 1992, is an established and leading provider of products and services for agriculture, biomedical, drug discovery, education, healthcare, industrial laboratory, medical devices, pharmaceutical and research life science market.

SciMed now works as a united auxiliary of PHC Holdings Corporation (PHCHD), as a component of their Life Sciences/ Diagnostics Domain. With a wide

range of product offerings, we provide our clients with end-to-end solutions to support their scientific needs.

In alignment with the PHC Group's corporate mission of "contributing to health of society through diligent efforts to create healthcare solutions that have a positive impact and improve the lives of people," the organization sells equipment and services across life sciences and medical services administrations regionally.

For additional information, please visit www.scimed.com.sg



OUR MISSION

Advancing the frontiers of science through innovative solutions for a healthier tomorrow.

OUR VISION

To be the leading provider in every life sciences facility in APAC by bringing world's innovations closer to you.



The PHC Group is a leading diversified diagnostics, life sciences and medical device company serving global markets through Japanese excellence and precision. We have a platform of established brands, underpinned by our business system that enables us to achieve operational excellence and efficiency through continuous improvement.

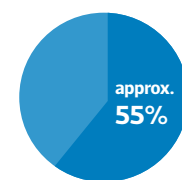
Since it was founded as Matsushita Kotobuki Electronics in 1969, the PHC Group has a long history of innovation and precision. Today, our businesses share a common commitment to building a future of better healthcare for people across the world. In each one we aim to provide best-in-class devices and services for advancing basic research, diagnosis and medical treatment.

For additional information, please visit www.scimed.com.sg

Life Science Innovator Since 1966

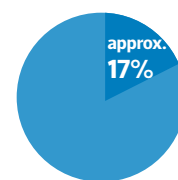
1966	1977	1991	2008	2009	2012	2014	2017	2019
SAR-130M Pharmaceutical Refrigerator	MDF-390AT -80°C Ultra Low Temperature Freezer developed	MDF-T15SATN World's Lowest Temperature -152°C Freezer developed	MDF-U400VX -85°C Dual Cooling System Freezer developed	MCO-19AICUVH World's First H ₂ O ₂ / Hydrogen Peroxide Chamber decontamination Function equipped	MDF-DU700VH Energy saving HFC-free -86°C Ultra Low Temperature Freezer	MCO-170AICUVH Enhanced efficient Cleaning and storage Integrated Tray Catches Structure CO ₂ Incubator	MDF-DU702VX High Efficiency Insulation/Efficient Sample Storage and more Efficient Dual Cooling System	MPR-N450FH Energy saving HFC-free Pharmaceutical Refrigerator with Freezer

Ultra-Low Temperature Freezers



Japan Market Share*¹

No. 1



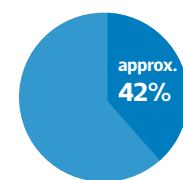
Global Market Share*²

No. 2

*1 Source: "Latest Trends and Future Potentiality of Tissue Engineering Related Market 2019" by Fuji Keizai Co., Ltd. (based on 2018 performance by volume)

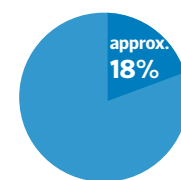
*2 Source: Research by Frost & Sullivan (Base: until in FY2018)

CO₂ Incubators



Japan Market Share*¹

No. 1



Global Market Share*²

No. 2

Function icons / Logos



Dual Cooling System

Dual Cooling System offers ultimate sample protection.



VIP PLUS vacuum insulation

VIP PLUS vacuum insulation maximises storage capacity.



EZlatch Easy Access Door Handle

The EZlatch makes access to stored samples even easier.



Natural Refrigerants

Naturally occurring hydrocarbon (HC) refrigerants improve performance and reduce running costs.



Inverter Compressors

Inverter Compressors maximise cooling performance and reduce energy consumption.







A full-color LCD Touch Panel

Various functions such as logging the temperature history, and setting up passwords and alarms can all be managed on the screen.

Application

Preservation

Client	Universities, private companies, laboratories/research institutions		Hospitals, universities, private companies, blood centers
Typical needs	Preservation of cells, microbes, specimens	Preservation of reagents, frozen plasma	Drugs, blood*, reagents
Storage temperature	-150°C, -86°C	-40°C/-30°C to -20°C	+4°C
	<div>Ultra-low temperature freezers</div> <div></div>	<div>Biomedical Freezers</div> <div></div>	<div>Pharmaceutical Refrigerators</div> <div></div> <div>Blood Bank Refrigerators</div> <div></div>

*Blood must be preserved in Blood Bank Refrigerator.

Preservation

TwinGuard

-86°C

The most secure ultra-low temperature freezers for the storage of high value samples



MDF-DU302VX (360 L)



MDF-DU502VX (528 L)



MDF-DU702VX (729 L)



MDF-DC500VX (575 L)



MDF-DC700VX (715 L)





TwinGuard

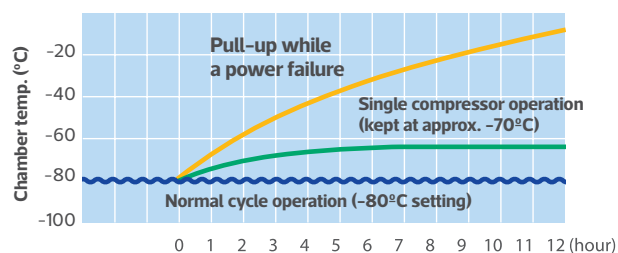
Ultimate Sample Protection

Unlike conventional ultra low freezers, TwinGuard ULT freezers have two independent refrigeration systems to provide the highest levels of sample security. Should one system unexpectedly fail, the other will maintain a temperature in the -70°C range ensuring that the integrity of irreplaceable and potentially life-saving samples are not put at risk.

Safe and Secure Extra-Large Capacity Ultra-Low Freezer with Dual Cooling System

Secure storage with new dual cooling system

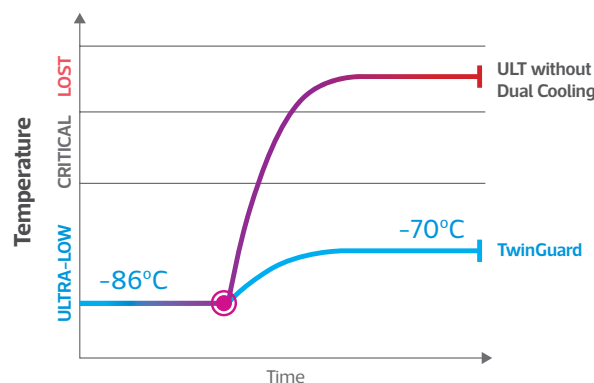
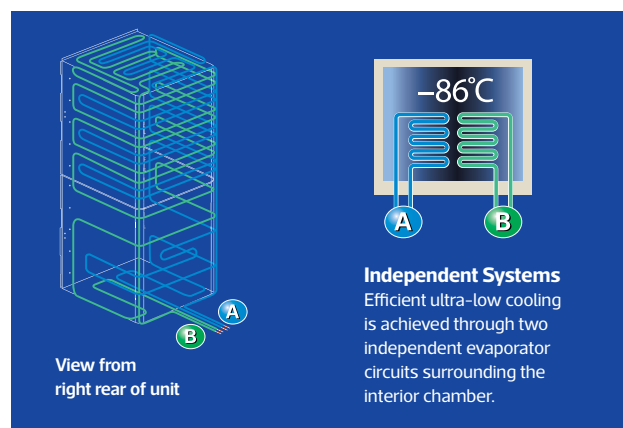
The Dual Cooling system is newly designated to securely store valuable biological samples. It consists of two individual compressors to provide a reliable -86°C ultra-low temperature environment. Should unexpected failure occur in one cooling circuit, the other will maintain at least -70°C .



- * Any unexpected failure on either of the single compressor will be alerted
- * The data is a measured (AT23°C, 230V/50Hz, no load) Actual power consumption will vary depending on ambient conditions, settings and local voltage.

When sample security and peace of mind are of paramount importance, put your trust in TwinGuard ultra low freezers.

- An optimal Dual Cooling System provides an unparalleled level of safety and added peace of mind through the use of two independent refrigeration systems.
- ECO mode overlaps refrigeration cycles to reduce energy consumption.
- Advanced space-saving VIP PLUS technology (compared to our conventional models).
- Graphical LCD display with data monitoring and data log exported by USB.
- Available in Upright and Chest models.



EZlatch

EZlatch door handle newly developed based on human engineering

EZlatch is designed for secure door opening/closing with minimum strength as the name suggests and makes access to stored samples easier.

Preservation

VIP ECO

Cost-saving and environmentally friendly sample storage within an optimal footprint

-86°C



MDF-DU502VH (528 L)



MDF-DU702VH (729 L)



MDF-DU901VHL (845 L)



VIP

Excellent reliability and uniformity within an optimal footprint

-86°C



MDF-U33V (333 L)



MDF-U55V (519 L)



MDF-U74V (728 L)



MDF-DU900V (845 L)



Cryogenic Freezers

The most uniform storage temperatures for cryopreservation solutions

-152°C / -150°C



MDF-1156 (128 L)
MDF-1156ATN



MDF-C2156VAN (231 L)



MDF-C8V1 (84 L)



VIP

Excellent reliability and uniformity within an optimal footprint

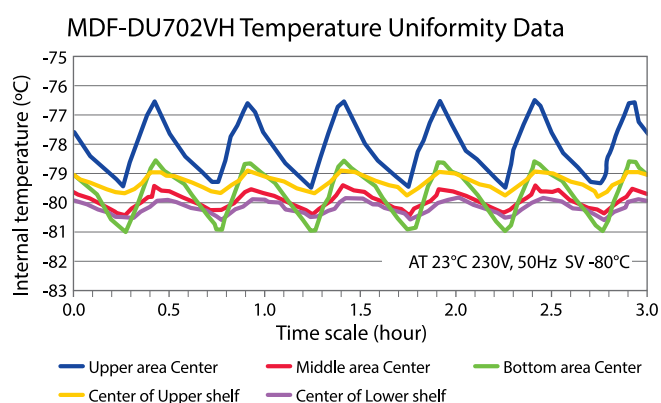
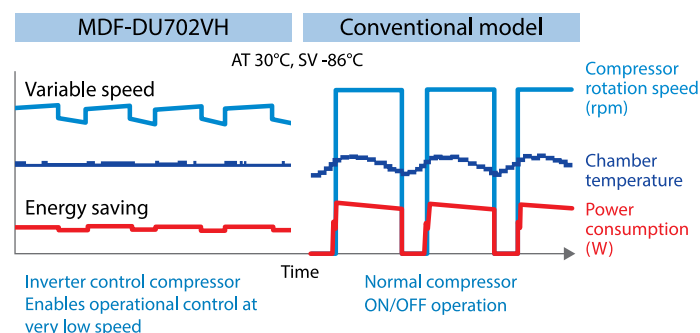
-80°C



VIP ECO

Eco operation and Energy saving

Unlike conventional ultra low freezers, TwinGuard ULT freezers ECO ULT freezers use natural hydrocarbon (HC) refrigerants to provide minimal energy consumption, reduced environmental impact and substantially lower running costs. HC refrigerants have a high latent heat of evaporation making them much more efficient at removing heat from the freezer chamber than conventional refrigerants, resulting in up to a 55% reduction in energy consumption and costs. These refrigerants also have an extremely low Global Warming Potential, helping organizations to meet environmental objectives.



When low electrical running costs and environmental considerations are of paramount importance, put your trust in VIP ECO and PRO ECO ULT freezers.

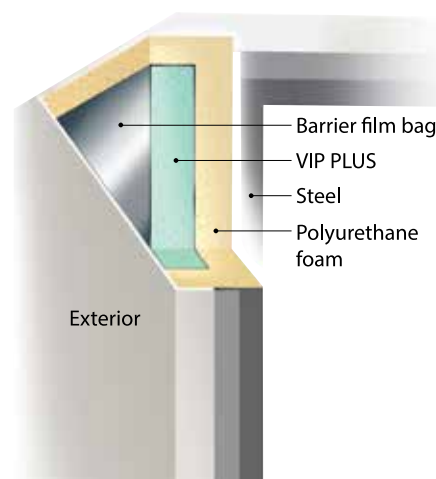
- New heat exchanger design for greater surface area contact and overall efficiency.
- Advanced space-saving VIP PLUS Insulation (compared to our conventional models).
- Graphical LCD display with data monitoring and data log exported by USB (for MDF-DU502VH/MDF-DU702VH/MDF-DU901VHL).
- Class IIa Medical Device certified quality (Certification itself for Europe area only to comply with European regulations).

Energy Efficient, Balanced Power Smart compressors, natural refrigerants and integrated electronics combine to lower your facility's operating costs. Freezer operation is managed by the practical balance of temperature performance and energy management.



Reliable controllability and data log function

Large color LCD touchpanel is accurately controlled even with a gloved hand, while the USB port makes transferring logged data of product's operational status to a PC convenient.



Inventory Racks



Cryo-Boxes with different colours to aid in grouping samples



Sliding Drawer Rack



Side Access Rack

MDF Biomedical ECO Freezer

-30°C

Cost-saving and environmentally friendly



MDF-MU339HL (369 L)



MDF-MU539HL (504 L)

MDF Biomedical ECO Freezer

-40°C

Cost-saving and environmentally friendly fresh frozen plasma storage



MDF-MU549DH (479 L)
Separate upper/lower compartments



VIP Plus

Innovative V.I.P.* Technology *Vacuum Insulation Panel

VIP is the innovative insulation technology developed by PHC. VIP series contain densely packed, open cell foam insulation under the vacuum panel. This configuration dramatically enhanced the insulation capability of the freezer while reducing the wall thickness from 140mm to 70mm, and achieved nearly 30% more storage capacity than conventional insulated freezers. The VIP Plus achieved 6 times stronger thermal resistance with more rigid foam polyurethane while keeping the same thickness of 70mm.

Preservation

MDF Biomedical Freezers

-30°C

Stable -30°C environment with extensive storage possibilities



MDF-MU339 (369 L)



MDF-MU539 (504 L)



MDF-MU539D (479 L)



MDF-U731M (690 L)

MDF Biomedical Freezers

-40°C

The ideal freezing environment for preservation



MDF-U443 (426 L)



MDF-U5412 (482 L)

MDF Biomedical Freezers

-30°C

Power to counteract frequent door openings



MDF-137 (138 L)



MDF-237 (221 L)



MDF-437 (425 L)

Preservation

LPR Laboratory Refrigerator

4°C to 14°C

Swing Door Type



LPR-400 (400 L)

MPR Pharmaceutical Refrigerators

2°C to 14°C

Sliding Door Type



MPR-S150H (165 L)



MPR-S300H (345 L)



MPR-S163 (158 L)



MPR-S313 (340 L)

MPR Pharmaceutical Refrigerators

2°C to 14°C

Sliding Door Type



MPR-S500H (554 L)



MPR-514R (486 L)



MPR-1014 (1033 L)



MPR-1014R (1029 L)

Preservation

MBR Blood Bank Refrigerators

4°C

Robust design for safest storage of whole blood



MBR-305GR (302 L)



MBR-705GR (622 L)



MBR-1405GR (1301 L)

Preservation

MPR Pharmaceutical Refrigerators with Freezer

Providing a complete storage solution; Refrigerator and freezer in one unit

Refrigerator: 2°C to 14°C | Freezer: -30°C to -20°C



MPR-N250FH*

Refrigerator (179 L)
Freezer (80 L)



MPR-N450FH*

Refrigerator (326 L)
Freezer (136 L)



MPR-N450FSH*

Refrigerator (326 L)
Freezer (136 L)



MPR-215F

Refrigerator (176 L)
Freezer (39 L)



MPR-414F

Refrigerator (340 L)
Freezer (82 L)



MPR-715F

Refrigerator (415 L)
Freezer (176 L)

* Limited countries and regions

MPR Pharmaceutical Refrigerators

Swing Door Type

2°C to 23°C



MPR-722R (671 L)



MPR-1412 (1364 L)



MPR-1412R (1359 L)

Incubation

Client

Universities, private companies, hospitals

Universities, private companies, hospitals, waterworks (water quality inspection)

Universities, private companies, agricultural experiment stations

Typical needs

Animal cell incubation (temperature, humidity, gas density)

Incubation of microbes (temperature)

Incubation of plants (temperature, illuminance, humidity)

CO₂ Incubators



Cooled Incubators



Climate Chambers



Function icons / Logos



Integrated Tray Catches

Significantly minimize cleaning time and improves productivity.



A full-color LCD Touch Panel

Various functions such as logging the temperature history, and setting up passwords and alarms can all be managed on the screen.



inCu-saFe germicidal interior

inCu-saFe germicidal interior prevents contamination.



Dual IR CO₂ Sensor

The single beam, dual detector IR CO₂ Sensor offers continuous calibration for excellent control, accuracy and stability.



Dual Heat Sterilisation

Two independent heaters enable cell culturing to continue uninterrupted during sterilization.



Zirconia O₂ Sensor

The unique, solid state Zirconia O₂ sensor delivers precise oxygen control.



H2O₂ Decontamination

The unique H₂O₂ decontamination system delivers fast and validatable decontamination.



SafeCell UV Lamp







The SafeCell UV lamp prevents contamination.



IR CO₂ Sensor

The IR CO₂ Sensor offers accurate and reliable CO₂ measurement.

PHCbi CO₂ & Multigas incubator series lineup

50L models		170L models				230L model	800L model
MCO-50AIC	MCO-50M	MCO-170AC	MCO-170AIC	MCO-170M	MCO-170AICD	MCO-230AIC	MCO-80IC
New	New						
CO ₂	CO ₂ +O ₂	CO ₂	CO ₂	CO ₂ + O ₂	CO ₂	CO ₂	CO ₂
H ₂ O ₂ Decontamination			H ₂ O ₂ Decontamination		Dry Heat Sterilization	H ₂ O ₂ Decontamination	
		Integrated Shelf Channels					
Organic EL panel and USB logging			Full-color LCD Touch Panel and USB logging				
Dual IR sensor		TC sensor	Dual IR sensor				IR sensor
UV system							
Copper-enriched stainless steel (inner cabinet/inner parts)							

Incubation

MCO CO₂ Incubators

Optimising cell culture outcomes and reproducibility

Ambient temp. +5°C to 50°C



MCO-170AIC/MCO-170AICL (165 L)
MCO-170AICUV/MCO-170AICUVL
MCO-170AICUVH/MCO-170AICUVHL



MCO-170AICD/MCO-170AICDL (165 L)
MCO-170AICUVD/MCO-170AICUVDL



MCO-230AIC/MCO-230AICL (230 L)
MCO-230AICUV/MCO-230AICUVL



MCO-50AIC (50 L)
MCO-50AICL



MCO-170AC (165 L)
MCO-170ACL



MCO-80IC (851 L)



*1 Standard for Model No. Including UV. *2 Standard for Model No. Including UVH

MCO Multi-Gas Incubators

Ambient temp. +5°C to 50°C



MCO-170M (161 L)
MCO-170ML



MCO-50M (50 L)



Incubation

MIR Cooled Incubators

All-round performance

-10°C to 60°C



MIR-154 (123 L)



MIR-254 (238 L)



MIR-554 (406 L)

MIR Heated Incubators

Intuitive and easy operable Heated Incubators

Ambient temp. +5°C to 60°C (AT 0 to 20°C)

Ambient temp. +5°C to 80°C (AT 20 to 35°C)



MIR-H163 (93 L)



MIR-H263 (153 L)

MLR Climate Chambers

Versatile Climate Chambers

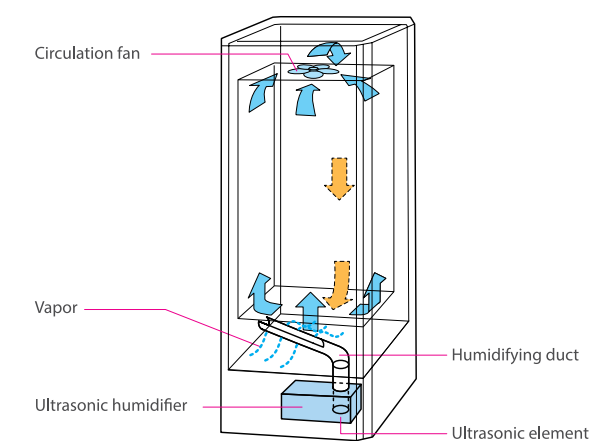
0°C to 50°C (Lamp OFF)

10°C to 50°C (Lamp ON)



MLR-352H (294 L)

Humidity control function (only for H type)
suited for raising plants



TMS provides a one-stop solution for real-time monitoring, recording and alerting function for any equipment and facilities. Our flexible modules are made for monitoring temperature, humidity, CO₂ gases/ O₂ gases, pressure or other 4-20mA output signals to suit most of the market' needs. Utilising ZigBee wireless technology, it does not interfere with the normal WiFi signals.



Laboratory Equipment



- Recording of parameters based on interval set.
- Backing up of data daily/ weekly/monthly.
- Printing of report in linear/ circular graph.
- Automatic sending of reports via email.



SMS

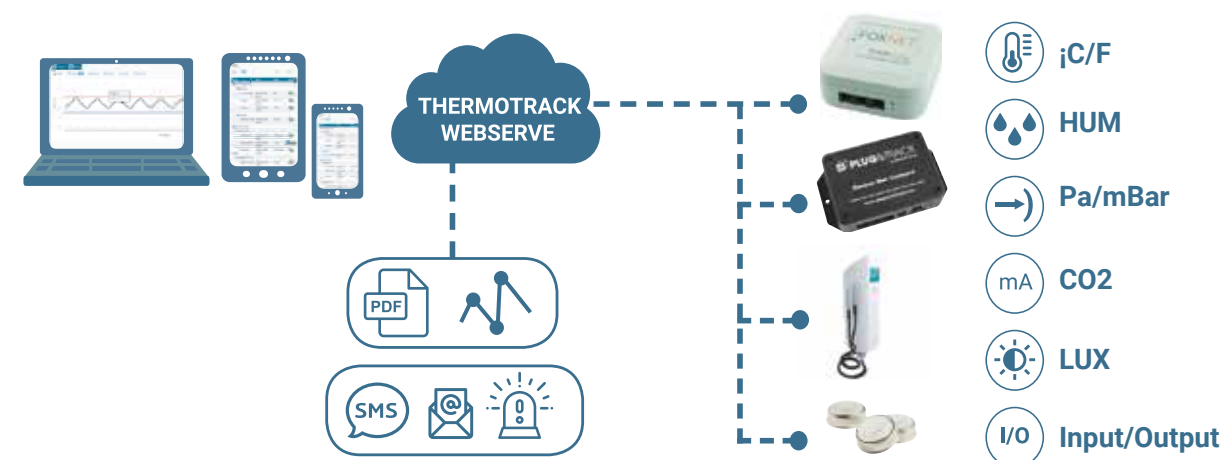


LN2 Container



Thermotrack Webservice is a real-time monitoring system that is cloud-based. By connecting to the internet, you can use your smartphones or tablets to monitor temperatures at different locations.

The system automatically saves your records and guarantees a 10 year data retention. In the event of alarms, you will receive an alert by email and SMS.



Thermo Button - Data Logger

Thermo Button is the smallest temperature/ humidity logger in the world. It can be used for temperature and humidity controls, product tracking, transport, storage controls HACCP and quality in laboratories. It is small, splash-proof, rugged and can withstand harsh environment.

Main Features of Thermo Button

- Records date and time
- Programmable low and high alarm thresholds
- Start delay



5 Button Available

	Thermo Button 21G	Thermo Button 22L	Thermo Button 22T	Thermo Button 22E	Hygro Button 23
Temperature range °C	-40 / +85°C	-40 / +85°C	0 / +125°C	+15/+140°C	-20 / +85°C
Humidity range H%	-	-	-	-	0 / 100%
Accuracy	± 1°C	± 0.5°C	± 0.5°C	+110/+140°C: ±1.5°C	± 0.5°C / 5%
Resolution	0.5 °C	0.1 or 0.5°C	0.1 or 0.5°C	0.1 or 0.5°C	0.1 or 0.5°C
Size of memory/readings	2048	4096 or 8192	4096 or 8192	4096 or 8192	4096 or 8192
Sample rate	1 to 255 min	1 sec to 273 h	1 sec to 273 h	1 sec to 273 h	1 sec to 273 h
Battery life span	10 years max		300 hours max		10 years max

When it comes to reducing errors in your lab to improve productivity and efficiency, you need durable labels and an inventory management system you can trust. That's where we can help. Brady is your reliable partner with full solutions in lab identification and specimen tracking. We're hard at work in labs every day, saving samples from faulty and illegible labels and helping improve operations.

Brady reliable labels:

- Withstand harsh lab conditions, including extreme temperatures and chemicals
- Have legible print that stays clear and always readable
- Offer easy and error-free identification and tracking of vials, tubes, slides, bottles and more

Laboratory Identification Printer



i5100 Printer



BBP® 12 Label Printer



BMP® 51 Label Marker

Laboratory Label



FreezerBondz™



Laboratory labelling for tubes and slides



Laboratory Labelling

Scanner



CR950



CR1500

Custom Biogenic Systems is a global leader in the design and manufacture of state of the art liquid nitrogen laboratory freezers, cryogenic equipment and accessories. The CBS Isothermal Liquid Nitrogen Vapor Storage System was patented in 2000 and Custom Biogenic Systems continues to be an innovative leader in the design of cryogenic equipment and supplies.

Controlled Rate Freezers



High Capacity Controlled Rate Freezer



2101 Controlled Rate Freezing System

Isothermal Liquid Nitrogen Freezers



Isothermal Carousel Freezer, 89-140L



Isothermal Freezer,
30-140L



Standard Freezer,
90-720L

Cryo-System Dewars 20-175L Capacity



Value Added Series



Classic Series



XC Series



SP Scientific provides the unique collaboration of three well-known commercial freeze drying brands - VirTis, Hull, and FTS. This positions SP Scientific as a premier supplier of pilot and production freeze dryers / lyophilizers for any application, anywhere in the world.

Virtis is focused on understanding the freeze drying needs of researchers everywhere and dedicated to providing top-quality equipment with superior application and technical support.

Laboratory & Benchtop Scale



Benchtop Tray Advantage Pro



Benchtop Pro with Omnitronics

Floor Model Manifold



FreezeMobile

Pilot Scale



Ultra Series



Lyostar 4



Genesis Series

Clinical & Production



Benchmark Series



Hull Production Series

INFORS HT is your specialist for bioreactors, incubation shakers and bioprocess control software. You benefit from sophisticated systems, in which your cell lines or microorganisms develop their full potential in a reproducible way, thus contributing to your success.

Benchtop Shakers



Celltron



Orbitron

Incubator Shakers

The active but gentle mixing of the cultures in the shaking incubator provides for a clearly improved cultivation result.



Ecotron



Minitron



Multitron Pro



Multitron Standard

Bioprocess Platform Software



eve® unifies bioprocesses.
eve® integrates bioreactors, shakers, analytical instruments, and bioprocess data

eve® is able to do more than just plan, control and analyse your bioprocesses. The eve® software integrates workflows, devices, bioprocess information and big data in a web-based platform that lets you organise your projects - no matter how complex they are.

Unlimited and independent: web-based
Bioprocess data are available from a browser as eve® is web-based.

All-inclusive workflow: from planning to data analysis.
eve® covers every aspect of a bioprocess with a navigation system that keeps the workflow on hand at all times.

New approaches to microbial and cell cultivation such as growth in single-use containers and solid state fermentation have redefined what scale-up really means: novel methods from smaller vessels to processes in large pilot bioreactors.

Benchtop Bioreactors

Primarily designed for research and small scale production, INFORS-HT benchtop bioreactors offer the best solutions for mammalian cells, bacteria, yeast and algae cultivations.



Minifors 2



Multifors 2



Labfors 5



Labfors 5 Lux



Labfors 5 BioEtOH

Pilot Bioreactors

Pilot bioreactor models are built individually according to your needs. You specify the requirements – we implement them after performing a thorough feasibility study.



Techfors



Techfors - S



PRO Scientific Inc. is a global leader in the manufacturing and distribution of high quality homogenizing, mixing, shaking, stirring and centrifuging equipment. From sub-cellular analysis to high volume applications, PRO Scientific has been the industry leader for over two decades.

Automated Systems



DPS-20 Dual Processing System

The three-in-one design enables
– Automated Mechanical
or/and Ultrasonic



Multi-Prep Rapid Homogenizer System

The system allows for
up to 6 samples to be
homogenized at one time
in mere seconds



Micro-Homogenizer Package Kits

Micro Sample
Homogenizing –
For 0.5–2ml tubes



Standard Multi-Gen 7 Homogenizing Package

Avoid risk of cross
contamination



Vibra-Cell™ High Intensity Ultrasonic Liquid Processors

It is ideal for dispersing, blending, cleaning, cell disruption, sample prep, homogenization, emulsification and atomization.



VCX 130



VCX 500 / VCX 750

VCX 130

130 watts, 150µl – 150ml
(With numerical keypad)

- Energy monitor
- Digital wattmeter
- Ten hour timer
- 1-59 second independent ON/OFF pulser
- Elapsed time indicator

VCX 130 PB

130 watts, 150µl – 150ml
(Without numerical keypad)

- Energy monitor
- Digital wattmeter
- Automatic tuning
- Thumb-actuated pulser or footswitch
- Remote process capability
- Variable power output control

VC 505 / VC 750

500 / 750 watts, 250µl – liters

- Energy monitor
- Digital wattmeter
- Microprocessor-based and programmable
- 10 hour process timer
- Independent On / Off pulser
- Variable power output control

VCX 500 / VCX 750

500 / 700 watts, 250µl – liters

- Energy and temperature set-point control
- Digital wattmeter
- Automatic tuning
- 10 hour process timer
- Independent On / Off pulser
- Variable power output control

N-Biotek, INC is a leading manufacturer and supplier of laboratory relating to Bio-technology located in Korea. N-Biotek has been highly appreciated in many countries with good quality, competitive price and unique feature such as IR-Concentrator, Vibration free shaker (Magnetic Induction Type), User- Friendly Shaking Incubator, Shakers and Water bath.

IR Concentrators



StationsGas Blowing System



DNA-VAC



MAX-UP



Micro-Cenvac

Shakers



Mini Shaker



Medium Shaker



Remote Controlled Shaker



Rocker

Water Baths & Thermal Blocks



General Water Bath



Stirrer Water Bath



Shaking Water Bath



Thermal Blocks

Incubators



Stackable incubator shaker



Refrigerated incubator with built in shaker



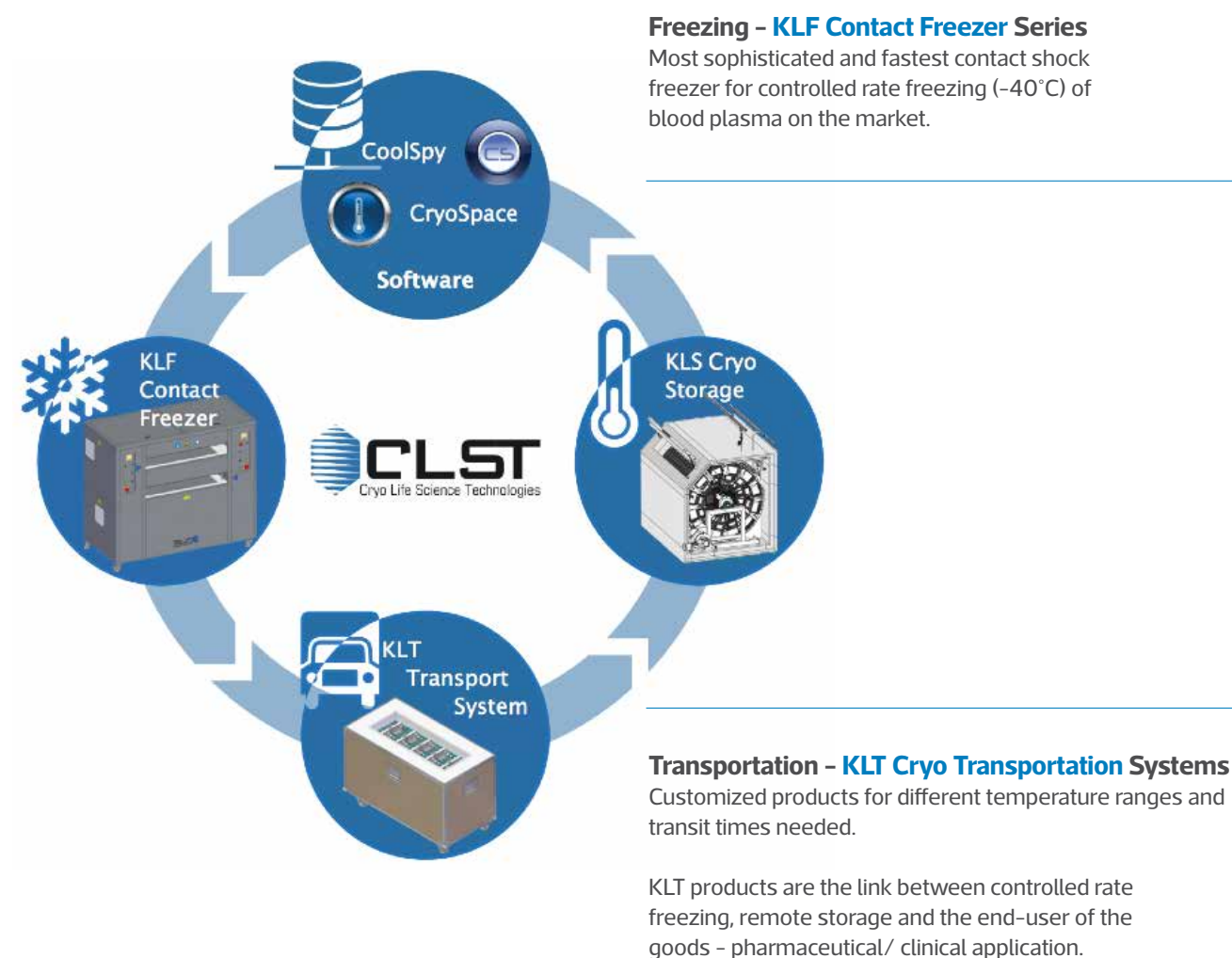
Hybridisation incubator



Benchtop shaking incubator (Non-refrigerated & refrigerated)

Portable Mini CO₂ incubator

CLST, a provider of equipment for the controlled rate freezing, storage and transport of medical and biological materials. Our objective is to assist our customers with the delivery of secure, cost-effective and turn-key solutions.

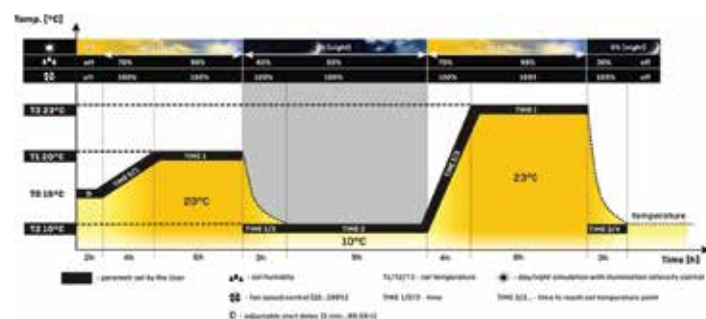




POL-EKO-APARATURA is a leading Polish producer of laboratory equipment including thermostatic cabinets, heating and drying ovens, and climatic chambers. Founded in 1991, the company today exports to more than 85 countries in Europe, Africa, Asia, and the Middle East.

Climatic Chambers

Climatic chambers can be equipped with steam/ ultrasonic humidifier with max temperature of 100°C or/and phytotron system which allows the control of humidity, temperature and lighting to create a stable environment.



Wide selection of models and capacities, from 112 to 1467 litres (single and double door models)

Digital screen: Logging in with card/keyring/NFC

Chromatography Chambers

Designed for a variety of chromatography applications requiring close temperature control, full access to chromatography instrumentation and easy set-up of instrumentation and apparatus within the chamber.



Large Chromatography Chamber



Medium Chromatography Chamber



- Top-mounted, fully integrated LCD display adjustable
- Temperature control, range 0°C to +15°C / -10°C to +15°C (option)

Drying Ovens

POL-EKO-APARATURA produces research, production scale as well as custom made ovens upon request. Drying ovens designed to provide high temperature up to 300°C. POL-EKO drying ovens include features such as standard LCD display, Ø 30 mm access port, program memory, interface, etc.



SL series drying ovens ranging from 15 to 1000 litres



Pass Through Option



Drying ovens with nitrogen blow



MPW Med. Instruments is a leading manufacturer of modern and reliable medical and laboratory centrifuges in Poland.

Centrifuges



Centrifuges

Reliable and Safe Equipment

All MPW centrifuges have the CE mark and are registered as medical devices. We also have a quality management system that complies with the standards PN-EN ISO 9001:2015 and PN-EN ISO 13485:2016-04.



Aralab is a manufacturing company of research-oriented laboratory equipment with focus on temperature and environmental simulation chambers. Since day one Aralab has perfected ways to simulate and control temperature, humidity, light, air flow and many other environmental conditions. Aralab has 3 key areas of expertise: ❶ BIO – Plant Research applications, ❷ STABILITY – Pharmaceutical Stability, ❸ TESTING – Environmental Testing.

BIO Chambers

Plant Growth Chambers and Controlled Environment Rooms. Research in plant growth, tissue culture, arabidopsis, crop science, entomology, algae, seeds, and other biotechnology applications.



Reach-In' FitoClima 600 & 1200 Plant Growth Chambers

- Internal volume – 600 L & 1200 L
- Allows precise and reproducible control of temperature, humidity, light intensities, air flow and CO₂, with an adaptable future proof interior



'Walk-In' Multi-tier Plant Growth and Production Rooms

- Internal volume – 5000 L to 25000 L (customizable)
- FitoClima 'PLH' offers total control and great uniformity of environmental conditions – simulation of temperature, light, humidity, CO₂ and even wind
- Multi-tier growth modules with height adjustable shelving
- Program all conditions with ClimaPlus – a user friendly color touch-screen interface



'Walk-In' Single-Tier Plant Growth Rooms

- Internal volume – 5000 L to 25000 L (customizable)
- FitoClima 'HP' is equipped with the latest 'full spectrum' dimmable ceramic metal halide lamps that allow for intensities up to 1.200 µmol/m²-s (PAR) at 1 meter from light source (also available in LED)
- Program all conditions with ClimaPlus – a user friendly color touch-screen interface



ClimaPlus: a user-friendly color touch-screen interface on board controller.

- The Fitolog Software suite consists of 3 applications Fitolog, FitologView and Fitoprogram designed to program, monitor and log data from the chambers with alerts, errors and alarm management via email or SMS

STABILITY Chambers

Stability Chambers and Environmental Stability Rooms. Stability and photostability testing of pharmaceuticals, cosmetics, food & beverages and quality control of products with exposure to different environmental conditions.



Stability Testing Rooms

- Internal volume – 5000 L to 25000 L (customizable)
- ICH Q1A compliant, with FDA 21 CFR part 11 data logging and IQ, OQ and PQ documents for mandatory quality audits
- Reliable in recreating temperature and humidity conditions
- Flexible shelving configurations

Stability Chambers

- Internal volume – 600 L & 1200 L
- ICH Q1A compliant, with FDA 21 CFR part 11 data logging and IQ, OQ and PQ documents for mandatory quality audits
- Flexible shelving configurations

TESTING Chambers

Environmental and Temperature Testing Chambers. Temperature, humidity and climatic simulation chambers for electronics, aeronautics, automotive, building material, R&D laboratories according to the highest quality and most demanding standards.



Testa_e Mini

- Temperature and humidity testing chambers with precise and reproducible conditions for climatic and temperature testing

Environmental Testing 'Reach-In' Chambers

- Internal volume – 300 L to 1500 L (customizable)
- Temperature and climatic testing, simulation and exposure to weather, temperature changes, humidity cycles, accelerated aging and stress testing

Environmental Testing 'Walk-In' Chambers

- Internal volume – 8000 L to 12000 L (customizable)
- Temperature and climatic testing, simulation and exposure to weather, temperature changes, humidity cycles, accelerated aging and stress testing

Analytik Jena is a provider of high-end analytical measuring technology, of Life Science instruments and products, as well as of liquid handling and automation technologies.

Our life sciences portfolio ranges from devices for PCR, Real-time PCR, Biolmaging, electrophoresis to kits for nucleic acid extraction, reagents, and consumables.

Thermal Cyclers



qTower3 qPCR Thermal Cyclers

- Innovative sample block technology for the best thermal well-to-well uniformity
- Patented fiber-optic system for ideal real-time PCR signals
- Extendable filter module system for maximum flexibility



TOne, Tadvanced, and Trio
Biometra PCR Family

- High performance thermal cyclers with various block options
- Easily optimize PCR protocols using the Linear Gradient Function (LGT)
- High heating and cooling rate, and excellent temperature homogeneity

Biolmaging Systems



GelStudio & ChemStudio Plus

UVP Fluorescence & Chemiluminescence Imager

- High performance gel and blot imaging systems designed for gel, chemiluminescence, and fluorescence imaging
- Wide aperture lens optics capture more light in low-light applications; signal come faster and stronger
- Overhead white, red, green and blue LEDs come as standard in the series
- Available as a touch screen controlled or computer controlled operated system

Automated Nucleic Acid Extraction



InnuPure® C16 touch
Magnetic particle processor

- Fully automated Nucleic Acid Extraction
- Two reliable functions: magnetic particle separation and SmartExtraction
- Flexible 16 channel pipetting system for accurate and reproducible liquid handling
- Integrated 10" touch tablet PC
- Optional Ready-To-Use reagents

PCR Workstation



UVP PCR Workstations
& Cabinet

- Makrolon® panels block all UV light below 400nm
- Integrated 254nm UV irradiation to achieve efficient decontamination
- Easy-clean antimicrobial coating
- Built-in power outlets for operation of equipment inside the system
- Touch screen interface to control all system functions
- Choice of HEPA or non-HEPA system configurations based on customer needs

With more than 40 years of experience, groninger has been developing and manufacturing customized machines for the Pharmaceutical, Cosmetics and Consumer Healthcare industry.

FlexPro 50

Modular, flexible and integrated machine concept for aseptic processing of RTU glass and polymer vials.



Engineered for processing of small and medium batch sizes and meets the requirements of the growth market for processing personalized medicine and biotech products. Used in aseptic and aseptic-toxic processing, processing of products in cell & gene therapy or as a proven system in the processing of live viruses.

The FlexPro 50 processes pre-sterilized nested ready-to-use (RTU) vials and vials in trays. For this machine concept, the machine and isolator modules were perfectly matched to one another, which gives it a very compact design. The vial line offers the choice of an automatic 100% or statistical in-process control (IPC) with an output of up to 3,600 vials per hour. The FlexPro 50 additionally offers the SmartFill feature to reduce product loss during production by up to 99%.

- Output up to 60 vials per minute (2R nested vials)
- Semi-automated debagging of tubs, removal of lid and liner as well as de-nesting
- Automated 100% in-process control (IPC)
- SmartFill Technology to reduce product loss by up to 99% during the start-up process, during production mode (re-dosing and re-stoppering) and at the end of the batch.
- Peristaltic and Rotary Piston Pump filling
- Batch Report and Audit trail included
- Environmental monitoring system (particle monitor, active air and passive)
- Industrial PC with Factory Talk and Allen Bradley PLC's

Other Process Solutions



COMBIFILL -
3 formats in 1 platform



FASTLANE -
Best availability of format parts



QUICKCONNECT -
Shortest changeover times



SAFETRANSFER -
Correct component infeed processes



SMARTFILL -
Minimum product loss



SMARTTRACK -
Intelligent sorting unit

Siemens Healthineers broad spectrum of immunoassay, chemistry, haematology, molecular, urinalysis, and blood gas testing systems, in conjunction with automation, informatics and services, can serve the needs of laboratories of any size – today and tomorrow.

Laboratory Diagnostics



Haematology
ADVIA 560 and 360



System Integrated Chemistry
Dimension EXL 200



Plasma Protein
Atellica NEPH 630 System



Immunoassay
ADVIA Centaur CP

Point of Care Testing



Urinalysis
CLINITEK Status® Connect System



Diabetes
DCA Vantage Analyzer



Blood Analysis
epoc® Handheld System Integrated

Fast Track Diagnostics Multiplex Real-time PCR Assays (RUO)

Multiplex real-time PCR assays for infectious disease and pathogen research.

Siemens Healthineers offers a range of real-time PCR assays for the identification of pathogens associated with major disease groups; respiratory infections, gastroenteritis, sexually transmitted infections, childhood infections, meningitis, eye infections, immunosuppression, hepatitis, and tropical fever.

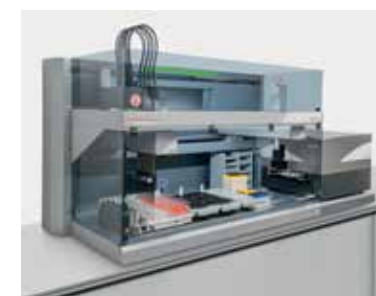
Fast Track 
DIAGNOSTICS
A Siemens Healthineers Company



Tecan is a leading global provider of automated laboratory instruments and solutions. The company develop, produce, market and support automated, IoT compatible workflow solutions that empower laboratories in the area of clinical diagnostics, basic and translational research and drug discovery .

Robotic Liquid Handler: Freedom EVO® platform

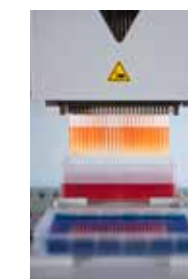
The Freedom EVO® platform is one of the most popular and reliable systems in the market, it can evolve with your changing application needs, or as alternative to select a pre-configured automation solution for your application.



Freedom Evo® with a range of arms



8 - Channel & 96 - Channel Pipetting Arm



384 - Channel Pipetting Arm

Robotic Liquid Handler: Fluent™

Fluent® Automated Workstation is ideal for laboratories looking for state-of-the-art automation to: increase productivity, streamline workflows, optimize assay precision and consistency, and relieve operators from repetitive tasks.



Patented Dynamic Deck



Cell-based Assays Automation



Built-in Touchscreen Interface

Consumables

Tecan is a leading global provider of automated laboratory instruments and solutions. The company develop, produce, market and support automated, IoT compatible workflow solutions that empower laboratories in the area of clinical diagnostics, basic and translational research and drug discovery.



Disposable Tips
Liquid Handling (LiHa) Arm



Disposable Tips
MultiChannel Arm™ 96 (MCA 96)



384 Channel Pipetting Tips

Microplate Readers

Tecan supplies cutting edge range of flexible, multifunction, modular and upgradable system that grows with the demand of your research. With both the monochromator or filter-based advanced optics options, the readers are optimized for the requirements of fluorescence, luminescence and absorbance reading.

Multi-mode Readers



Spark® Cyto

The first live cell plate reader with real-time image cytometry. Fluorescence-, brightfield- and digital phase contrast imaging combined with full environmental control and standard detection modes creates a powerful tool for cell research.



Spark

The fully flexible detection platform with smart automation. Made for discovery, today and tomorrow.



Infinite® 200 PRO

The proven, easy-to-use plate reader family. Delivering performance and value to every lab.

Single mode readers



Sunrise™

The fast, multichannel absorbance plate reader – with tunable wavelength and temperature control options – that can be tailor-made for your purposes.



Infinite® F50

State-of-the-art eight-channel absorbance reader for accurate, reproducible and fast results.



Infinite® M Nano

Upgradeable absorbance plate reader delivering sensitive results for ELISAs and low volume nucleic acid or protein quantification assays.



Infinite® Lumi

Upgradeable luminescence plate reader with dedicated optics designed to deliver exceptional results for glow, flash and dual-color luminescence applications.

Microplate Washers

Automated washing of ELISA and cell based assay with optional vacuum filtration and magnetic bead washing for application like PCR clean-up and microarray bead washing.



Hydroflex™ – Microplate Strip Washer



Hydrospeed™ – Microplate Washer (96 & 384)

Digital Dispenser

The Tecan D300e Digital Dispenser offers a simple method for setting up PCR reactions, generating enzyme profiles, synergy experiments and dose-response curves. Using HP's direct digital dispensing technology, it provides non-contacting dispensing of liquid such as small molecules in DMSO to biomolecules in aqueous solution.



300e Digital Dispenser

STERIS

Life Sciences

For over 100 years STERIS has been known as a global leader, trusted partner and solutions provider in the field of sterilization and contamination control. Today, STERIS continues building on this heritage, advancing the Science of sterilization, cleaning and infection control. Our team's technical strength, industry experience and global-reach enable us to offer Solutions that meet our customers' needs and high standards. You can count on STERIS to help to enhance the Life of your equipment and the Life-cycle of your products. We stand with you in working to enhance the Life of your patients. From Formulated Chemistries, to Capital Equipment to Parts and Services, STERIS Life Sciences is your solutions provider.

Steam & Vaporised Hydrogen Peroxide (VHP) Sterilizers



Finn-Aqua® GMP Bio Pharma Sterilizer (BPS)

- To process sterile room supply, media preparation, terminal sterilization of hard goods, vented liquids, and sealed packaged liquids.
- Ideal for biopharmaceutical, pharmaceutical, biotech research, and development facilities.
- Chamber material 316L SS with carbon content less than 0.03% to reduce corrosion and elongate the life of chamber.
- Easy to validate.
- GMP, cGMP, GAMP and 21 CFR part 11 compliance.

Finn-Aqua® GLP Large Steam Sterilizers (LSS)

- To process laboratory animal caging systems, hard goods, porous loads and liquid loads in vented and non-vented containers.
- Ideal for vivariums and BSL3/4 applications.
- Chamber size ranging from 3.2 m³ to 8.5 m³.
- Customised chamber size available.
- Can double as pass-through box/ material airlock with integration of STERIS VHP generator.



Finn-Aqua® & AMSCO® GLP Small and Medium Steam Sterilizers

- Suited to process bioreactors, glassware, plastic-ware, media prep, utensils, cages, racks, bottles, bedding, feed and waste bags.
- Ideal for research, QA/QC laboratories, industrial and scientific applications.
- ASME/PED certified stainless steel pressure vessel.
- Size ranging from 110 to 1000 liters.
- Designed to reduce water and electricity consumption along with minimal use of critical floor space.

Vaporized Hydrogen Peroxide Sterilization and Bio-decontamination

LTS-V Low Temperature Terminal Sterilizer

- Solution for on-site terminal sterilization of temperature, humidity or radiation sensitive products in parenteral drug delivery devices and pre-filled syringes.
- Applications include ophthalmic injectable drug delivery devices, hyaluronic acid-based drug injections, or ready-to-mix protein products.
- Ideal for packaged implant products or custom made devices produced in small to moderate quantities.
- VHP exhibits good to excellent material compatibility, especially across a range of different types of plastics.
- Designed to achieve product and package surface sterility at 6-log microbial reduction, demanding production environment and process.
- Eliminate the needs for Grade A and B assembly operations in upstream manufacturing steps or up to major time and cost reduction.
- cGMP, GAMP5 and 21 CFR Part 11 compliance.
- Configurable cycles, chamber sizes, accessories and optional features to adapt to your demanding production environment and process.



VHP® Bio-decontamination Units

- Suitable for mobile equipment, room and facility decontamination.



- Modular design units suitable for applications requiring an integrated solution e.g. isolator, HVAC with minimal use of critical floor space.



Pure Steam and Water Systems



Finn-Aqua® T-Series Technology

- Produces highest pure steam and/or Water-for-injection (WFI) quality.
- Patented three-stage pyrogen separation and continuous blowdown.
- Patented column design helps to lower energy and utility consumption.
- Removal of non-condensable gas from feed water as standard feature.
- Meet HTM2010 (EN285) requirements.
- Siemens or Allen Bradley control.
- Electronic Data Security (EDS).
- Easy to validate.
- Units are fully tested and pre-validated to customers specifications during factory qualification.
- cGMP, GAMP and 21 CFR part 11 compliance.

Finn-Aqua® Multiple-Effect Water Still (MWS)

- Designed to consistently generate Water-for-injection (WFI) to meet or exceed the latest version of USP, EP and JP WFI specifications.
- Intended for use in the preparation of parenteral solutions, for washing and final rinse in GMP washers and terminal sterilizer.
- Capable to produce pure steam simultaneously or sequentially.
- Varying capacities to produce 450 to 11000 litres per hour.



Finn-Aqua® Pure Steam Generator (PSG)

- Designed to consistently generate pure steam for use in clinical research, pharmaceutical and biotech industries.
- Intended for sterilization applications such as sterilizers, Steam-in-place (SIP) systems, sterilization of tanks, mixing vessels and WFI/Purified Water distribution systems.
- Applicable for clean room humidification.
- Condenser unit available as an add-on to produce small amounts of distillate from pure steam at 150L/h, 99°C.
- Distillate quality is sterile, pyrogen-free and pure steam condensate meets WFI quality standards.
- Varying capacities to produce 150 to 4750 kg per hour.

Finn-Aqua® Point-of-use Pure Steam Generator (POU)

- Compact and economical solution ideal for facilities lacking centralised pure steam/water system or in need of additional capacity.
- Used as a stand-alone steam generator for pilot production, laboratories, hospitals and other facilities requiring low capacity.
- Able to integrate into equipment such as steam sterilizers, sterilisation of water tanks and loops, as a humidifier in HVAC systems.
- Able to provide additional capacity for central steam systems to cover plant shut-downs or peak demand periods. Reducing building and renovation costs.
- Available in 2 sizes: 170 or 300 kg per hour.



Washers & Dryers



Finn-Aqua® Pharmaceutical Grade Washers (PG)

- Cleaning of bulk containers, vessels, filling line components, exchange parts and glassware.
- Ideal for biotechnology, medical device and pharmaceutical manufacturing process industries.
- Easy to validate with sanitary design and compliant to BPE standard.
- Total organic carbon (TOC) and spray arm rotation monitoring provide higher level of cleaning assurance.
- Flexible washing with unique triple accessory loading system enables unlimited mixed load combinations.
- Size ranging from 400 to 5300 litres.

Reliance® Series Laboratory Glassware Washers (XLS)

- Sustainable design features such as unique sump design, smart filling/ drying and heat recovery to reduce utility and detergent consumption.
- Non-recirculated pure water final rinse to reduce number of rinses and to deliver high cleaning efficacy.
- Non-vented system eliminates the need for costly connection to the building exhaust system.
- Universal shelving system accommodates various sizes of glassware and increases productivity.
- Size ranging from 150 to 430 litres.



Process and Cleaner Evaluation (PACE)

- To assist customers in determining the best cleaning agents and application conditions to meet their cleaning needs.
- When user is looking to upgrade their cleaning protocol; to meet the objective of reduced cleaning time, reduced water consumption, or reduce downtime through fewer cleaning failures.
- When user is designing a cleaning protocol for a new process.
- To aid in troubleshooting problems that arise with an existing cleaning protocol.
- Supported by a fully staffed technical service laboratory and experienced technical scientists

Process and Research Cleaners (PRC)

STERIS proprietary alkaline, acidic and neutral cleaners are specifically formulated to meet the unique process cleaning demands found in the pharmaceutical, biotechnology, cosmetic, dietary supplement and other industries requiring an effective validatable cleaner. These products typically consist of alkaline or acidic builder salts, an advanced surfactants, emulsifiers, chelants and other performance-enhancing ingredients. These formulated cleaners have the advantage of providing multiple cleaning mechanisms ensuring effective cleaning against a wide variety of process residues in clean-in-place (CIP), clean-out-of-place (COP), and manual applications. cGMP compliant, FDA registered.



CIP100®
ProKlenz® One

Alkaline Detergents

- Used effectively to remove a wide range of process residues from fermentation by-products to silicone-based emulsions and lubricants.
- Potassium hydroxide based. Active across the full pH range from 2.0 to 13.5 and full temperature from 5°C to 85°C.
- Biodegradable. Free of perfumes and dyes and designed to be free-rinsing.
- Compatible with glass and stainless steel, safe for use on process equipment.
- Easy to validate.

Acidic Detergents

- Effectively removes a wide range of process residues including inorganic salts.
- Used in routine cleaning, de-rouging and passivation of stainless steel.
- Phosphoric acid based. Active across the full pH range from 2.0 to 13.5 and full temperature from 5°C to 85°C.
- Biodegradable. Free of perfumes and dyes and designed to be free-rinsing.
- Compatible with glass and stainless steel, safe for use on process equipment.
- Easy to validate.



CIP300®
ProKlenz® Neutral

Neutral Detergents

- Phosphate-free neutral pH detergent (between pH 6-9). Safe for use on aluminium and other soft metals.
- Ideal for use in manual cleaning and/or recirculating wash systems e.g. automated CIP, parts washers, etc.



CIP200®
ProKlenz® Two

Cage Washing Detergents

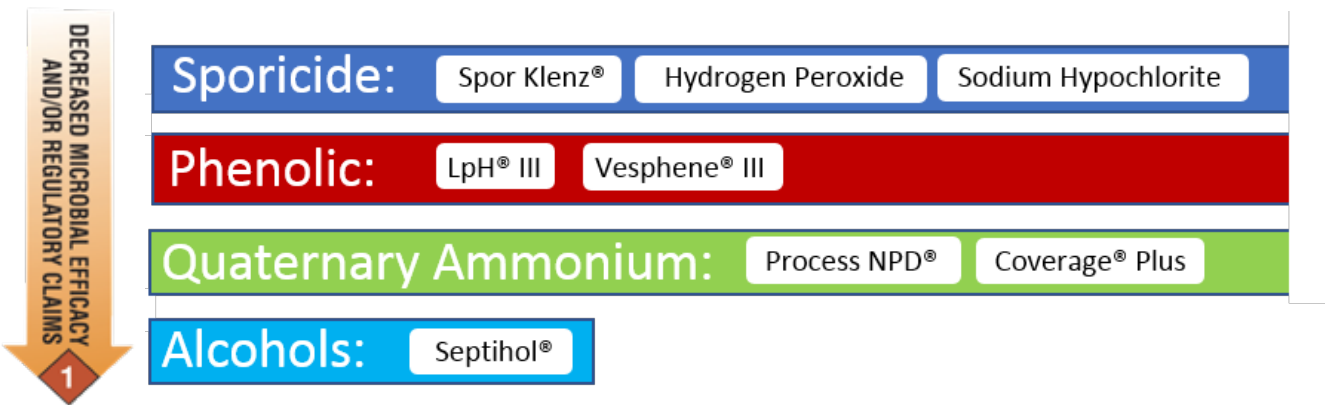
- Specially formulated to meet the unique cleaning and materials compatibility requirements found in research animal caging.
- Safe for high pressure spray animal cage washing equipment, mechanical cage washers and manual cleaning.
- Phosphate-free alkaline detergent formulated with corrosion inhibitors effectively cleans organic soils in both soft and hard water.
- Phosphoric acidic detergent effectively cleans hard water and urine scale, and metal oxides.



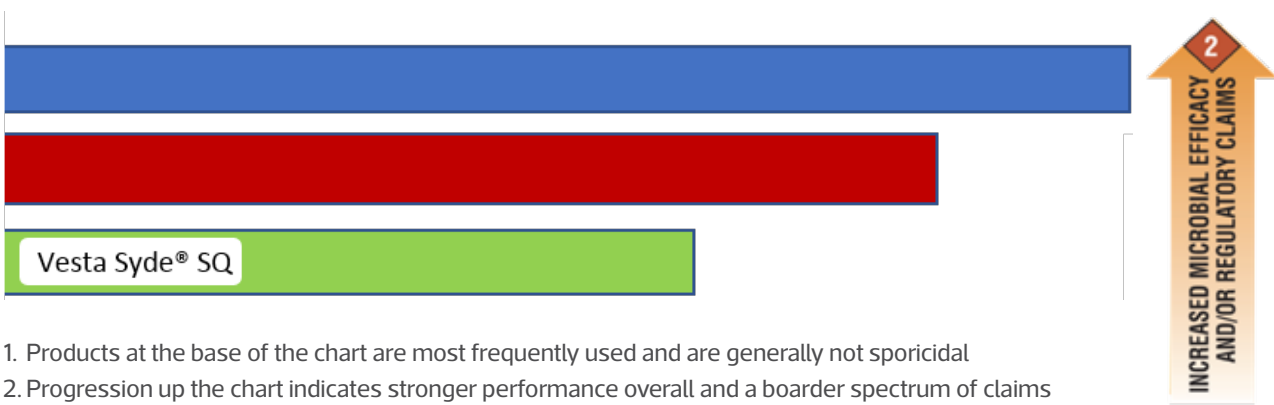
Cage-Klenz® 100
Cage-Klenz® 150
Cage-Klenz® 200

Sporicides, Surface Disinfectants and Alcohols

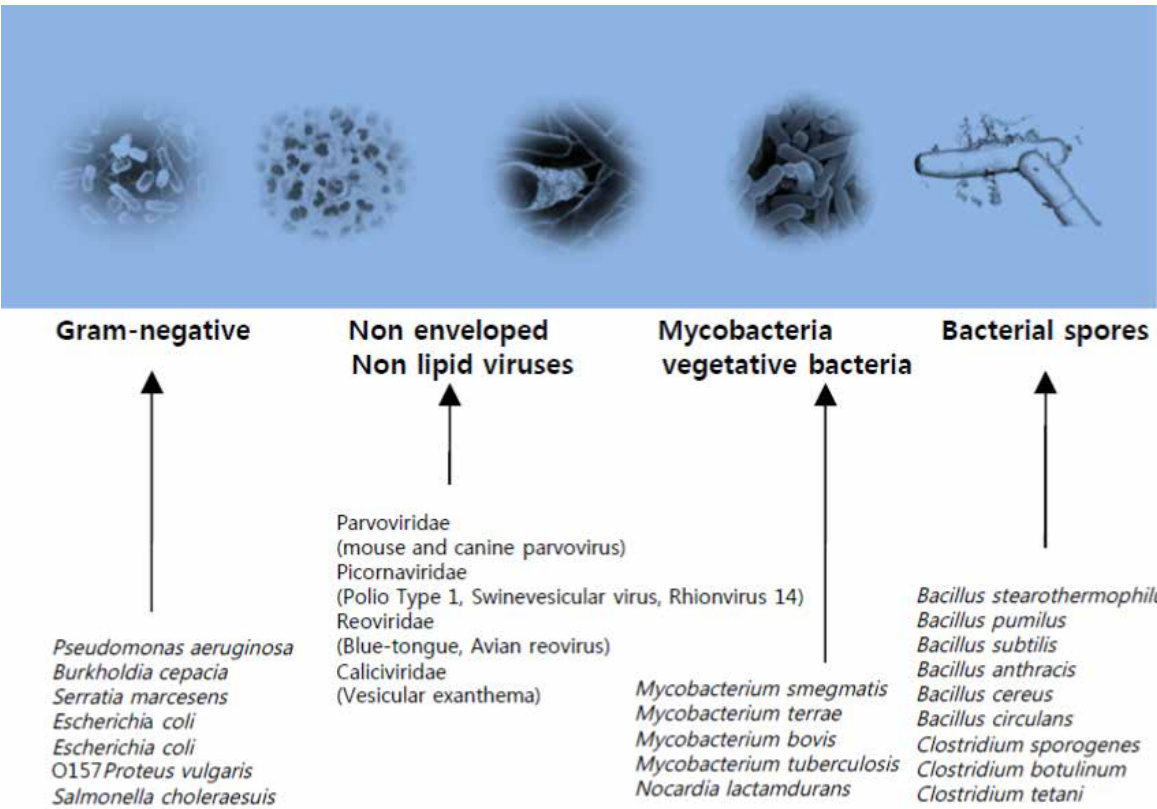
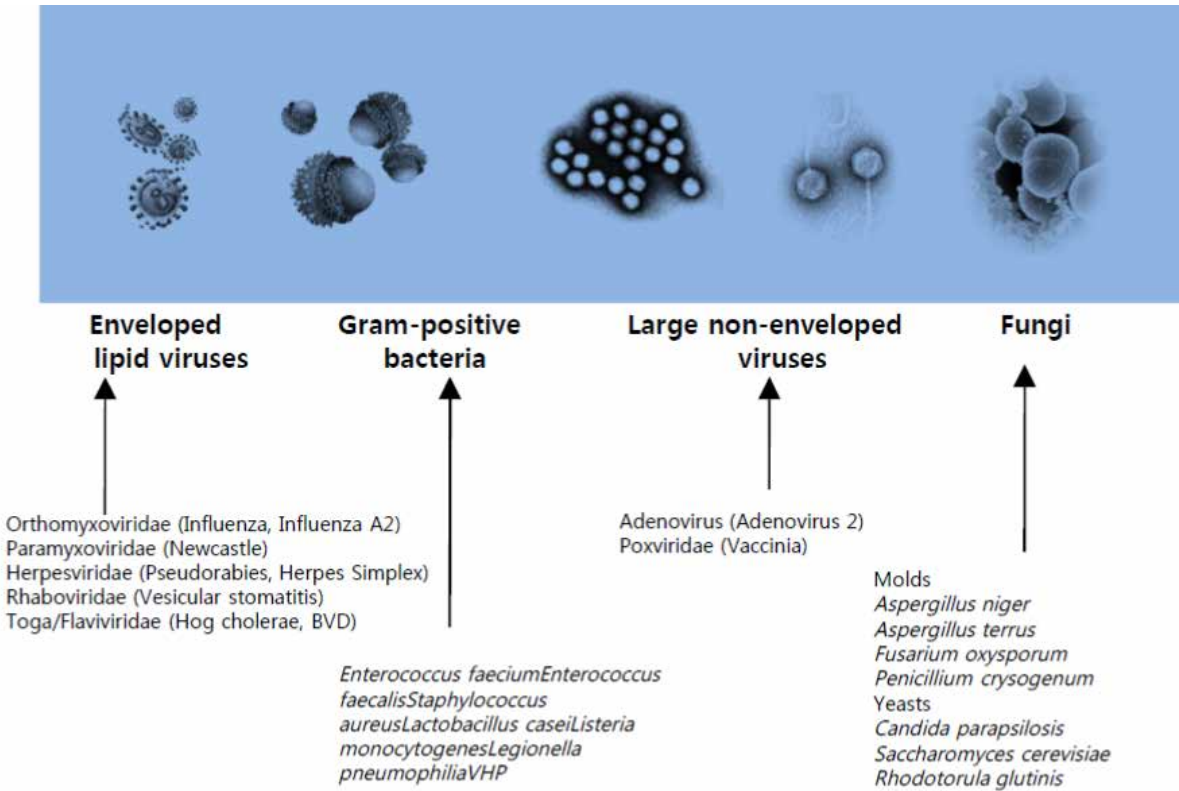
Whether you need microbial control of molds, spores, or viruses, selecting the proper surface disinfectants is only the first step. Effective microbial control requires developing the proper application procedures for your surface disinfectants to get the most out of them including using alcohols to minimize residues left behind.



STERIS has a variety of formulated surface disinfectants and alcohols to do just that. Our extensive expertise of surface disinfectants and alcohols will help you to achieve a successful validation program to ensure your environment is clean. We have the right chemistry for the right application and take the guesswork out of surface disinfection.



- 1. Products at the base of the chart are most frequently used and are generally not sporicidal
- 2. Progression up the chart indicates stronger performance overall and a boarder spectrum of claims



Process Indicators and Sterility Assurance Products

Provides results in evaluating the efficacy of your sterilizing program and offers a comprehensive assurance of sterilization. STERIS has a broad spectrum of indicators, catering to different applications regardless of Ethylene Oxide (EO), Dry Heat, Steam, Temperature or Vaporised Hydrogen Peroxide (VHP).



STERAFFIRM™
VHP Process Indicator



STERAFFIRM™
Bowie-Dick Test

Chemical Indicators

- Bowie Dick Test Packs
- Dart® Daily Air Removal Test
- VH202 Process Indicators
- Control Tubes
- ISO Type 1 or 5 Indicators
- Temp-A-Sure™ Temperature Recorder
- Cycle Verifications Indicators



Sporidex® Self-Contained
Biological Indicator (SCBI) Ampoules



VERIFY™ Dual Species
Self-Contained Biological Indicators



Celerity™ 20 HP Biological
and Steam Indicator

Biological Indicators

- For EO, Dry heat, steam & VHP applications.
- Bacillus atrophaeus.
- Geobacillus stearothermophilus.
- ISO and USP compliance.

Disinfectant Wipes and Hand Hygiene Solutions



Wipes for the clean room

- Vesta-Syde SQ 64 st
- Hydrogen Peroxide WFI
- Spor-Klenz Ready-To-Use



Septihol® Hand Sanitizer

- Foam based
- 62% (v/v) ethyl alcohol
- No residue



The Baker Company pioneering accomplishments are unparalleled in the industry. Today, Baker custom design capabilities continue to set industry standards for pharmaceutical, biotechnology, life science and hospital/clinical applications.

Biological Safety Cabinets & Containment Enclosures



Class III, IsoGARD®



Class II, Type A2
SterilGARD® e3



Class II, Type B2,
BioChemGARD® e3



BioPROTECT®

Lab Animal Research Cabinets



SterilGARD® e3
Animal Transfer Station



Anigard® e3



SterilGARD® e3 Necropsy



SterilGARD® e3
Waste Disposal

Compounding Aseptic Isolator

Positive Pressure & Negative Pressure Cabinets



SterilSHIELD®



ChemoSHIELD®

Laminar Flow Bench & Fumehood



ChemGARD®



EdgeGard® HF / VF

Baker Ruskinn is a global leader and supplier of anaerobic and precision low oxygen culture systems for microbiology and tissue/cell culture applications. Its advanced line of anaerobic chambers, oxygen-controlled workstations and media conditioning solutions help to improve research results by providing precisely controlled conditions for anoxic and hypoxic studies. Baker Ruskinn's innovation, HypoxyCOOL™ is the first commercialized system for quickly and precisely regulating dissolved oxygen levels in culture media, helping to improve research results, laboratory productivity and experimental control.

Anaerobic Workstation



Anaerobic Workstation
Concept Series

Physoxia Incubated Solution



CondoCell



PhO2x Box

Physiological / Hypoxia / IVF Workstation



Physiological / Hypoxia / IVF Workstation
InvivO2 Series



Closed cell culture environment / Physiological /
Hypoxia Chamber
SCI-tive Series

Digital Microscope



Bright Field / Fluorescence microscope
Etaluma LumaScope

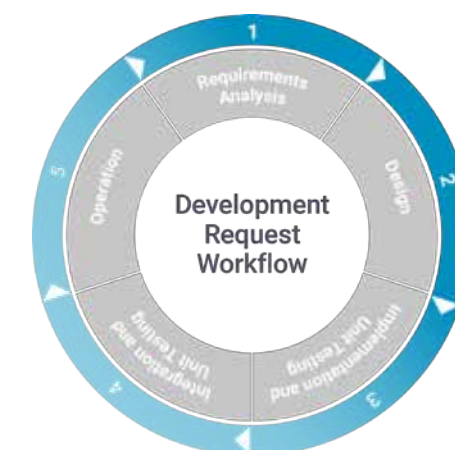
For 60 long years, Bioair has worked to achieve their main objective: your safety. Bioair is committed to provide quality solutions which means reliable, safe, sustainable, and efficient products.

Isolators

Bioair, with its ISOCell PRO Cell Therapy Isolator, has specifically designed systems to allow a GMP production of Advanced Therapy Medicinal Products (ATMPs).



ISOCELL PRO
Cell Therapy Isolator



ISOMateSeries/ ISOMate GMP®
flexible modular isolator for a fully customizable solution in a GxP environment

Bio-Decontamination Services

Room, Equipment and Facility Bio-Decontamination Services

SciMed Asia provides room, equipment, and facility bio-decontamination services utilizing STERIS Vaporized Hydrogen Peroxide (VHP) technology to reduce bioburden and minimize the potential for costly microbial outbreaks. In the event of outbreak control, decontamination services can be provided to coincide with routine maintenance or to control a specific threat.

Bio-decontamination Applications

- Research Lab and Vivarium.
- Pharmaceutical Production Suite.
- Clean Rooms & BSL 2/3 Lab.
- Lab Equipment. (Isolators, Biosafety Cabinets, Incubators)
- Service & Technical Areas, HEPA Filter Bank.
- Healthcare (Ward, OT Room, Clean Room Pharmacy).



STERIS VHP Technology

STERIS VHP technology has been widely proven to be effective against a broad spectrum of micro-organisms including bacterial spores, viruses and fungi. With its proprietary technology, decontamination can be achieved even at hard-to-reach areas within a shorter period of time compared to conventional method. The environment friendly technology has been proven to be compatible with a wide variety of material, electronic equipment and HEPA filters. Our service includes verification with biological or chemical indicators to validate successful bio-decontamination.

Bio-decontamination can be performed using a variety of technologies, depending on your requirements for kill rate, certification and time, with little or no disruption to the operation of your facility.

We provide a FREE Facility Assessment which includes the following:

- Technical review of facility contamination control needs and site evaluation.
- Provide an assessment of recommended best practices.
- Select appropriate bio-decontamination method(s).



Lugitsch-Strasser GmbH, Medical Technology sees itself as a company providing services in the area of healthcare industry. With a family tradition of more than 20 years focusing on areas of medical technology, centralized sterilization, waste and washing water: sterilizer, autoclave and disinfectant

Wastewater Sterilizer

Wastewater Sterilizer Type L500S

- Fully automatic sterilisation of continuously produced washing water or infectious fluids.
- Can either be filled directly into the sterilization vessel or indirectly routed through a storage tank.
- Processing capacity of up to 30 litres per hour.
- Clean, odourless and energy-saving operation.
- Process control.



L500S

Wastewater Decontamination Sink



L500

Wastewater Decontamination Sink L500

- Fully automatic operation.
- Wastewater is pumped from the washing basin via the storage tank into the sterilization vessel.
- Program works with a holding time of 1 to 60 minutes and a temperature range of 110°C to 134°C.
- Throughput capacity of 1000 litres per 24 hours.
- Process can be validated.

Hydroflex is a leading provider and manufacturer to address the complex cleanroom market. Under the renowned product brands PurMop® and PurWipe®, Hydroflex develops and sells certified mopping systems and wipes, which stand for highest efficiency, ergonomics and cleanroom suitability.

Engineered in Germany and supported by experts with many years of GMP cleaning industry experience, our range of solutions from Hydroflex have been developed to benefit the myriad of unique cleaning challenges presented across a host of industries including pharmaceutical, medical devices, microelectronics industries, and more.



Figure 1. Innovative & Ergonomic cleanroom cleaning: Allows a completely touchless operation with 3 stage working methods i. pick-up, ii. Dosage, iii. discard

PurMop® Cleanroom Mopping Systems



Products for manual cleaning and disinfection of floors, walls and ceilings.

- Mops – disposable mops, reusable mops, special mops
- Cleaning Trolleys – stainless steel or plastic systems
- Handles & Frames – stainless steel, aluminium or plastic



PurWipe® Cleanroom Wipes

Products for removal of contaminations and germs on surfaces, machines and products:

- Nonwoven wipes – PurWipe® N-series (cleanroom wipe or lint-free wipe)
- Knitted wipes – PurWipe® K-series (cleanroom wipe or cleanroom microfiber wipe)
- Presaturated wipes – PurWipe® V-series (disinfection wipe)



PurGuard™ Disposable Protective Clothing

Products to protect humans and products within a critical cleanroom environment:

- Full sight goggles – single use goggles, reusable goggles (cleanroom goggles or cleanroom protective goggles)



Corning provides high quality, innovative products for life science application enabling people around the world to make and deliver life changing discoveries. The Corning brand portfolio includes a comprehensive line of high-quality cell culture and bioprocess solutions. Our innovative vessels include research through scale-up as well as scale-out advanced cell culture for the growth of attachment-dependent and unattached cells, and a new range of Corning® cellgro® media, sera, and custom solutions for cell culture applications.

Corning Life Sciences Products



Bioprocess
CellSTACK®, HYPERStack® and Closed system solutions



Cell Culture Solutions
Flasks, dishes, plates, pipettes, filter units and bottles



3D Drug Discovery
96 & 384 well spheroid, high content imaging, glass bottom microplates



Media
Media, Sera and Reagents, Flexible Packaging systems



PYREX® Glass
Trusted by Scientists over 100 Years



LSE Equipment
Shakers, hotplate stirrers, centrifuges, cell counters

Eurofins Discovery has been supporting Drug Discovery research for >40 years. We offer you a complete, single-source solution for drug discovery products and services.

Kinase Screening & Profiling Services

Largest collection of nearly 500 biochemical and cell-based kinase assays

- Competitive Ligand Binding Assay (KINOMEScan Technology)
- Activity Based Assays (KinaseProfiler Technology)

BioMAP® Diversity PLUS® Panel for Broad Phenotypic Profiling

Translationally Relevant Phenotypic Data Prior to Entering the Clinic

EUROFINS DISCOVERY

7 premier CROs now offer one strong foundation for successful drug discovery

EUROFINS DISCOVERY. DEEP RESOURCES FOR SUCCESS



Chemistry



In Vitro Assays



Safety & Efficacy



ADME & Toxicology



Phenotypic Assays



In Vivo



Custom Services



Integrated Drug Discovery



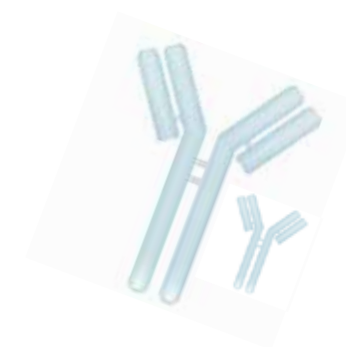
Products

Antibody Resources

SciMed Asia brings together a group of reputable antibody and reagent suppliers to provide our research community with the highest quality immunological reagents and research kits for their diagnostic development and research applications.

Our product range covers a diverse set of research areas including Epigenetics, Immunology, Neuroscience, Cancer, Stem cells, and Cell Biology for use in a variety of applications including:

- Flow Cytometry
- ELISA and ELISPOT
- Immunoprecipitation and ChIP
- In-vitro or In-vivo Functional Assays.
- Quantitative Multiplexing
- Western Blotting
- Immunofluorescence
- Immunohistochemistry



SciMed also assists client to work with our immunological reagents suppliers in their custom antibody production or conjugation services to meet our customers' specific needs.



Stemgent, Inc. is engaged in working alongside some of the world's leading stem cell scientists in developing innovative technology and application solutions for the advancement of stem cell research.



Established in 2003 by preeminent Japanese university researchers, REPROCELL quickly became the leading stem cell research company in Japan.



Rockland Immunochemicals Inc. is a global biotechnology company manufacturing leading edge research tools for basic, applied and clinical research in functional genomics, gene therapy and drug discovery markets.



Founded in 1982, by Bill Gathings and a group of scientists from Max Cooper's lab at the University of Alabama in Birmingham (UAB), SouthernBiotech is dedicated to the development, production, purification, conjugation, and commercialization of the world's highest quality antibodies for research use.

Active Motif is the industry leader in developing and delivering innovative tools to enable epigenetics and gene regulation research. We offers a comprehensive portfolio of epigenetics-related products and services, together with the support of our team of epigenetic experts, we provide complete and innovative solutions to tackle your scientific enquiries.

Antibodies

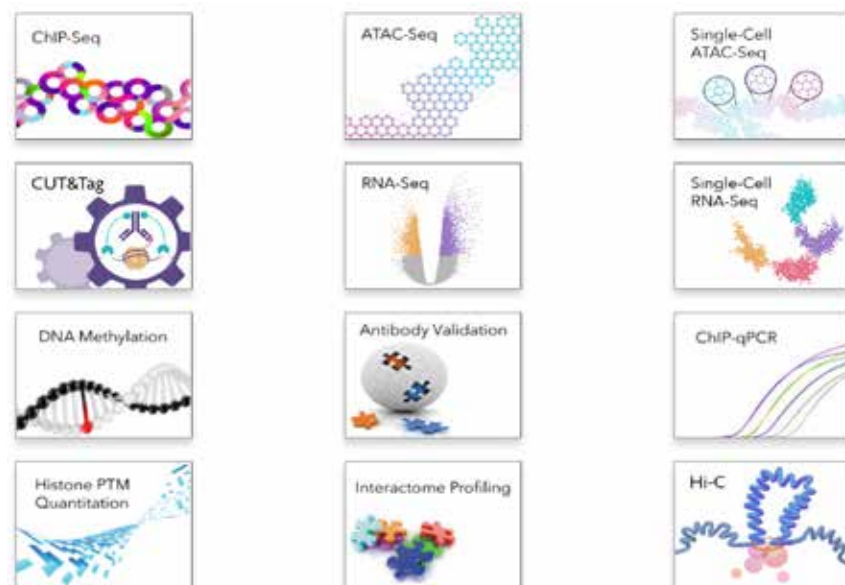
For epigenetics and gene regulationfor

- DNA methylation
- Chromatin
- Histones
- Cancer
- Stem Cells
- Transcription Factor



Custom Services

For epigenetics and gene regulation research



Sonication Products

Reproducible sonication for more consistent results



PIXUL™ Multi-Sample Sonicator



EpiShear™ Probe Sonicator with support stand / converter clamp.

SC Johnson provides expert skincare, cleaning and hygiene solutions for industrial, institutional and healthcare users.

Hand Washes



2% Chlorhexidine Handwash (400ML) Pump Bottle



2% Chlorhexidine Handwash (1L) Cartridge and manual dispenser

Sanitizers



Deb InstantFOAM Complete Sanitiser (47ML) Personal Bottle



Deb InstantFOAM Complete Sanitiser (400ML) Pump Bottle



Deb InstantFOAM Complete Sanitiser (1L) Cartridge and manual dispenser



Deb InstantFOAM Complete Sanitiser (1L) for TouchFree dispenser

Moisturizers



Stokolan Light Pure (100ML) Tube



Stokolan Light Pure (1L) Cartridge for manual dispenser

Other Accessories



BRK400ML Plastic 400ML Bracket



BKT400ML Metal 400ML Bracket



Manual Dispenser



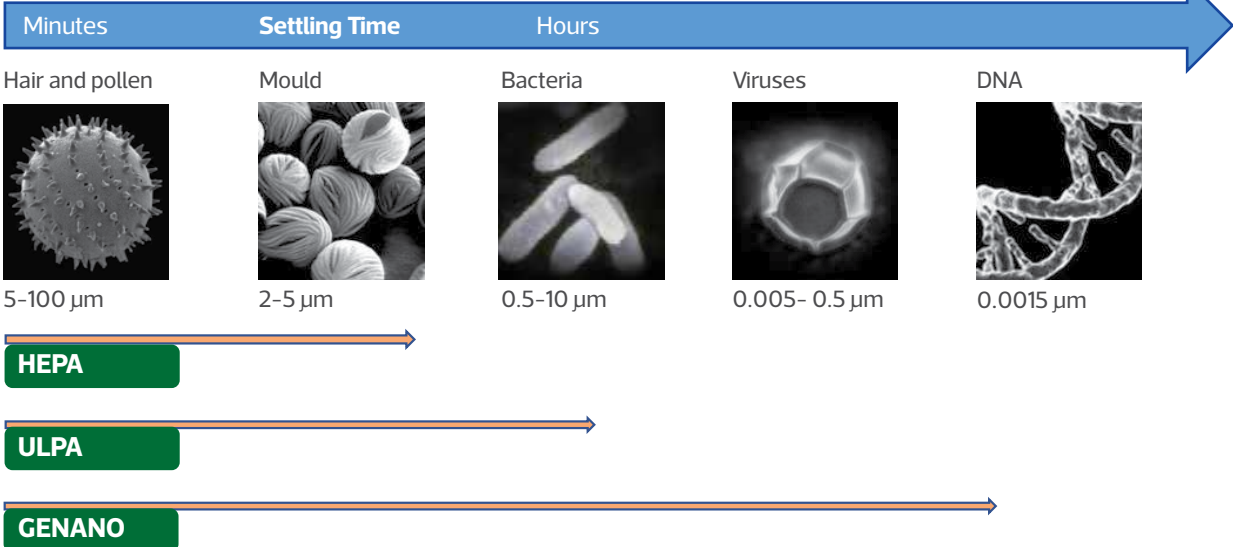
TouchFree Dispenser

Molecular Diagnostic Kits



Genano Ltd is a high technology company founded in 1999 in Finland. Genano's expertise in air decontamination is used in various areas where ultrapure air is needed, for example in hospitals, laboratories, dental laboratories, industrial complexes and buildings suffering from sick building syndrome. Genano has numerous installations around the world including solutions for hospitals and laboratories in Europe, the Middle East and Asia.

Air Purifier

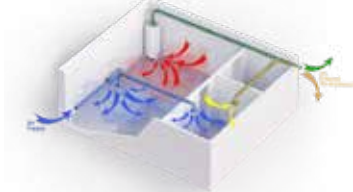


Comparison of particle size arrestance for Genano and competing filter technologies

Configurable solution to fit various healthcare needs:



Turnkey solution (Negative/Positive Pressure room installations):



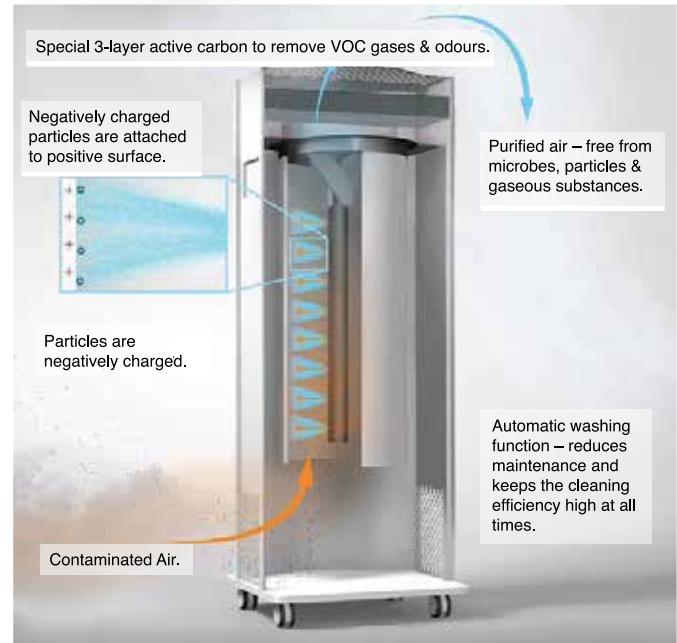
Model selection for different air changes per hour (ACH) requirements:



The superior performance of Genano Technology® is based on a patented method for purification, which captures particles down to nanosize, eliminates microbes, and removes gases and odours. Genano Technology can remove particles down to nanometre size (1 nanometre = 0.001 micrometres = 1 millionth of a millimetre).

The powerful voltage field inside the unit eliminates microbes, such as viruses, bacteria, moulds and yeast. In addition, Genano units are equipped with an effective active carbon collector which removes gases, fumes and odours.

All Genano units are designed and manufactured in the EU.



Unique nanoscale air decontamination

Moving towards Personalised Medicine

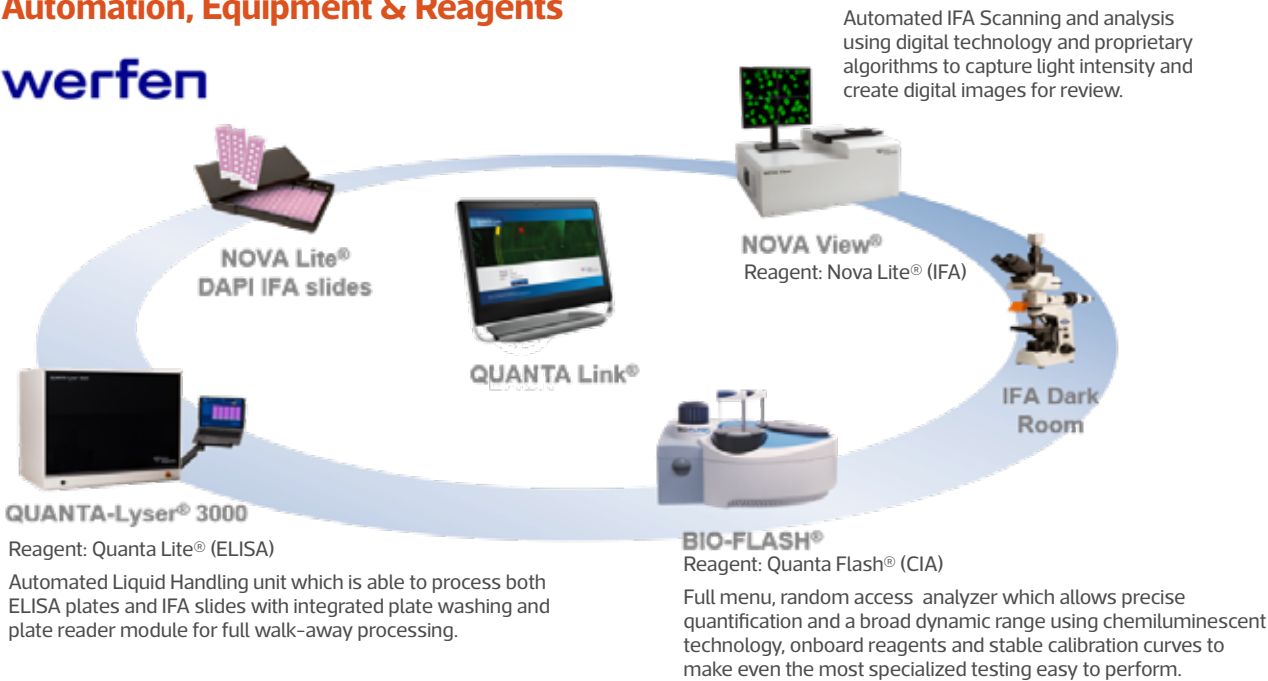
Genetic tests to reduce Adverse Drug Reactions through the identification of specific HLA-alleles

HLA-B*1502 - Relating of Carbamazepine & Phenyloin
HLA-B*5801 - Relating of Allopurinol
HLA-B*27 - Relating of Ankylosing spondylitis



Automation, Equipment & Reagents

werfen



StripAssays® & Realfact® Assays



GENETIC DISORDERS	CANCER	PHARMACOGENETICS	GENETIC PREDISPOSITIONS
<ul style="list-style-type: none">• CAH• CF• Familial Mediterranean Fever (FMF)• Gaucher Disease• Haemochromatosis• Sugar Intolerance• Thalassemia	<ul style="list-style-type: none">• BRAF• EGFR• FCGR• KRAS & NRAS• PGX-5FU• PGX-TPMT	<ul style="list-style-type: none">• HLA-B*5701• IL28B• MTHFR• PGX-CYP2C19• PGX-CYP2D6• PGX-HIV• PGX-Thrombo• PGX-TPMT• PGX-5FU• SLCO1B1	<ul style="list-style-type: none">• APO-E• CVD• HLA-B*27



Epredia offers complete Histopathology solutions – equipment, reagents, and consumables for basic histology, cytology, immunohistochemistry, digital labeling, and digital storage for tracing and tracking.

Epredia is now a part of the PHC Group.

Labeling and Tracking



PrintMate AS Cassette Printer



SlideMate AS Slide Printer



Cassettes

Tissue Processing and Embedding



Revos Tissue Processor



Excelsior AS Tissue Processor



STP 120 Spin Tissue Processor

Cryotomy & Microtomy

Freeze and section tissue samples more efficiently with improved stability and individually controlled temperature settings on both the object specimen holder and blade carrier.



Cryostar NX70 Cryostat



MX35 Ultra™ Low-Profile Blade



Rotary Microtome HM 355S

Staining & Coverslipping



Gemini AS Slide Stainer



Linistat Linear Stainer



ClearVue Coverslipper

Cytology & Immunohistochemistry



Cytospin 4 Cyto centrifuge



Shandon Cytofunnels,
Shandon Cytoslides



Autostainer 360,
480S, and 720

IHC Antibodies

Epredia antibodies are designed for multiple applications such as clinical research IHC and applications other than IHC, such as Western Blotting of immunoprecipitation. Concentrates are available in 1 mL (-S, -A, or -P), 0.5 mL, and 0.1 mL sizes and are ready to use in 7 mL (-R7, for use with LP detection system) or 12 mL (-RQ, for use with Quanto detection system), and are considered In Vitro Diagnostic (IVD) devices, Research Use Only (RUO) devices, or Analyte Specific Reagent (ASR, US-only).

Archiving and Storage



Arcos Block
Management System



Steel Storage Cabinets



Colorstack Filing Cabinet

Consumables



Epredia Handcare
(Handwash, handcream,
scrubs, gloves)



Tissue Marking Dyes



Fixation products
and Richard-Allan
Scientific Dehydrants



SuperFrost Plus
and ColorFrost Plus
Polysine slides



The Scope-Store range of endoscope storage cabinets from LTE Scientific has been developed after detailed consultation with clinical professionals to provide a variety of endoscope storage solutions. Each cabinet is EN16442 compliant, having been extensively tested by the internationally renowned test house Biotech Germande. Uniquely, the Scope-Store range is available in both vertical hanging and shelf loaded variants and can be supplied with fully automatic or manual controls. Each Scope-Store is equipped with a PIN door security system which will only release once the correct pin has been entered. Therefore, each entry and exit of the scopes are recorded and attributed to the relevant user.

Endoscope Storage & Decontamination Range

Scope-Store SE



Model	Scope-Store SE-V5	Scope-Store SE-V10	Scope-Store SE-V8
Scope Capacity	51	08	
Scope Arrangement	Vertical hangers		Shelf Loaded
External Dims, HWD,mm	1955 x 965 x 450	1955 x 1675 x 450	1955 x 850 x 515
Air Delivery System	HEPA filtered air through chamber and internal endoscope channels.		

Scope-Store ENT



Model	Scope-Store ENT5	Scope-Store ENT10	Scope-Store ENT20
Scope Capacity	51	02	0
Scope Arrangement	Vertical hangers		
External Dims, HWD,mm	1100 x 1040 x 525	1925 x 1040 x 545	1925 x 1730 x 545
Air Delivery System	HEPA filtered air through chamber and internal endoscope channels.		

Scope-Store + (Pass through models available)



Single Entry Models				Pass Through Models			
Model	Scope-Store V5	Scope-Store V10	Scope-Store S8	Model	Scope-Store SE-V5 PT+	Scope-Store SE-V10 PT+	Scope-Store SE-S8 PT+
Scope Capacity	51	08		Scope Capacity	51	08	
Scope Arrangement	Vertical hangers		Shelf Loaded	Scope Arrangement	Vertical hangers		Shelf Loaded
External Dims, HWD,mm	1925 x 1010 x 535	1925 x 1730 x 535	1925 x 900 x 605	External Dims, HWD,mm	1925 x 1040 x 620	1925 x 1730 x 675	1925 x 1040 x 675
Air Delivery System	HEPA filtered air through chamber and internal endoscope channels.			Air Delivery System	HEPA filtered air through chamber and internal endoscope channels.		

Gilson Inc. provides high quality, dependable solutions for today's demanding liquid chromatography, solid phase extraction, liquid handling and gel permeation chromatography clean-up requirements. The primary focus is on purifying samples via preparative HPLC, automated SPE or through GPC clean-up. From the full range of system solutions, Gilson is the element of purification for your laboratory. Gilson supports the pharmaceutical, biotech, environmental, clinical, food & beverage and forensic markets. Gilson focuses on early drug discovery and development with our preparative HPLC systems. Gilson's automated SPE systems and GPC clean-up systems support environmental, food & beverage, clinical and forensic markets performing a wide variety of clean-up applications.

Preparative HPLC System



VERITY Oligo Purification System

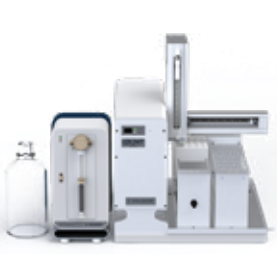


Analytical to Semi-preparative HPLC

Manual and Automated SPE system with Accessories



GX274 ASPEC®



GX 241

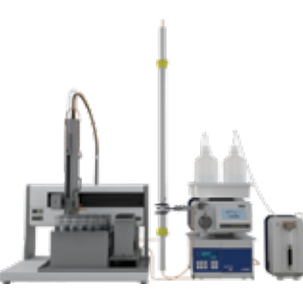


ASPEC® Positive Pressure Manifold



ASPEC® Pre-Capped SPE Cartridges

GPC & Flash System



VERITY GPC Cleanup System with UV



PLC 2050 with CPC



MINIPULS 3®

Peristaltic Pumps



Zeltex is a leader in portable and laboratory Near-Infrared analyzers. Zeltex designs and manufactures analyzers for the petroleum, grain, cheese, food and other industries. Combining 40 years experience in Near Infrared Technology, Zeltex has worked with many to optimize their analytical needs.

Near Infrared Octane / Cetane Analyzer

Unique Design Features Add Versatility, Dependability and Convenience

- Automatic fuel detection (Gasoline/E-Gas/Diesel)
- Normally less than one minute warm up time
- Stores data for up to 100 samples
- Precalibrated for unleaded and Ethanol blended fuels
- Optional diesel cetane index and cetane number calibrations available
- Automatic temperature compensation
- Displays results in less than 30 seconds
- Self-standardizing to ensure accuracy
- Easy-loading sample holder
- Easy-to-read LCD display
- Included printer provides time and date of analysis
- Optional GPS locator - GPS data is printed and stored
- USB port for PC interface
- [(R+M)/2], RON, MON, Percent Ethanol
- Can store up to 10 separate gasoline formula calibrations
- Small, lightweight, and easy to use
- Operates on internal, rechargeabl



ZX - 101XL

A Proven Track Record - Used Worldwide

Thousands of Zeltex Octane Analyzers prove themselves every day at major refineries, state laboratories, federal labs, military facilities, government regulatory agencies, blending wholesalers and many other users worldwide.

Control Quality - Control Costs

Portable fuel testing allows on-the-spot control and decisions that will save time and money making octane control a reality.

The ZX-101RZ provides accuracy and repeatability equivalent to ASTM-approved CFR engines

Engineering Services

At SciMed, our team of dedicated engineers provide support, training and solutions for the needs of our customers. It is important that our customers receive timely and efficient service so that productivity is maximized. Be sure that your instruments will be well taken care of by our factory trained engineers.

Facility Installation

Certified field service engineers ensuring proper installation and setup of your application.



Biomedical Refrigerator/Freezer



Research/BSL3+/GMP Sterilizer



Research/GMP Washer

On-Site Qualification and Preventive Maintenance

Equipment are qualified according to manufacturer specifications to ensure that the performance of the new equipment is in tip top condition. SciMed also tailors additional services to meet the customer's SOP needs if necessary. Preventive Maintenance is performed at specific time periods to ensure that the equipment is maintained in satisfactory operating condition.



Robotics Workstation IQ/OQ



Temperature Validation



Refrigerator/Freezer Repair

Project Works

SciMed undertakes turnkey projects for Design, Build and Fitting-Out of Biomedical, Research and BSL-3+ facilities that conform to International and US FDA Standards.



Site Logistic



Factory Acceptance Test



SS Duct Engineering

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NOTE:

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