

Quality Laboratory Equipment From Top-Tier Manufacturers

Lab Instruments, Equipment and
Supplies from Trusted Brands



Laboratory-Equipment.com

A Terra Universal Brand



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Laboratory-equipment.com
offers a full suite of
Labconco products
including fume hoods,
biosafety cabinets, glove
boxes, freeze dryers,
evaporators, and lab
washers.

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Labconco Corporation manufactures specialized scientific equipment that is designed to meet the rigorous standards of modern labs and cleanrooms. As an authorized Labconco distributor, Laboratory-equipment.com offers a full suite of Labconco products including fume hoods, biosafety cabinets, glove boxes, freeze dryers, evaporators, and lab washers. To discuss custom chemical containment solutions, contact a Laboratory-equipment.com specialist.

Fume Hoods

Labconco Chemical Fume Hoods serve as the vanguard for chemical safety and containment among applications including USP 800 hazardous drugs, radioisotopes, and powder containment. Formats include walk-in, floor-mount, and freestanding models to maximize floorspace and workflow when handling volatile organic compounds, acids, and other hazardous substances.

Explosion-Proof Fume Hoods are available if a flammable chemical's concentration exceeds 25% of the LEL (Lower Explosion Limit) or LFL (Lower Flammability Limit). Special application fume hoods are available for handling certain materials like perchloric acid, acid digestion, and radioisotopes.

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Freeze Dryers



FreeZone Freeze Dryers by Labconco are designed to provide efficient lyophilization of aqueous samples, operating at a collector cooling temperature of -50°C . Console models are equipped with Stoppering Trays, front viewing windows, and ample chamber space for both a vacuum pump and a large tray dryer.

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BioSafety Cabinets



Shop Labconco Biosafety Cabinets for varying biosafety levels and applications. Class II cabinets, crucial for handling moderately hazardous microbes, come in A1, A2, B1, B2, and C1 subtypes. While A2 cabinets recirculate 70% of the air, B2 cabinets exhaust 100%, both fitting for BSL 1-3. Class II C1 cabinets can toggle between A2 and B2 modes. Class I cabinets, ideal for non-pathogenic microbes like *E. coli*, utilize negative pressure and UV-C and HEPA filtration but lack HEPA-filtered supply air.

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ThermoFisher

SCIENTIFIC



Ovens

[Laboratory-equipment.com](https://www.laboratory-equipment.com) is the authorized distributor of Thermo Fisher Scientific Inc, an American supplier of analytical instruments, life sciences solutions, and diagnostics equipment for laboratory, pharmaceutical, and biotechnology sectors. Based in Waltham, Massachusetts, Thermo Fisher was formed through the merger of Thermo Electron and Fisher Scientific in 2006.

Shop Thermo Fisher Products online including refrigerators, freezers, ovens, water purification, centrifuges, and incubators.

Lab Heating and Drying Ovens



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Lab Vacuum Ovens



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Lab Furnaces



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Contact a laboratory specialist for additional factory-installed options among Heratherm and Vacutherm lines.

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Refrigerators

Compare Thermo Fisher Refrigerators to achieve a high degree of compliance for cleanroom cleanliness and EnergyStar / SNAP ratings. Models vary based on the specific storage required including pharmaceuticals, food samples, and general lab reagents.

Thermo Fisher Scientific's **TSX High-Performance Upright** and Undercounter Lab Refrigerators are geared more towards lab settings, offering GMP Clean Room Class A compatibility and EnergyStar certifications. Notably, these models employ V-Drive technology, which adapts to user patterns for optimal temperature uniformity. The TSX models are available in various capacity sizes and are suitable for specialized storage needs, such as blood and chromatography instruments.

Centrifuges



Compare Thermo Fisher Scientific Centrifuges with innovative rotors for all your sample processing needs, and supporting labware for microplates, microtubes to large-capacity bottles—all designed to deliver outstanding performance spin after spin. Separations are a critical step in your workflow.

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Water Purification

Barnstead Water Purification Systems from Thermo Scientific meet a range of critical and everyday application needs, including electrodeionization, reverse osmosis, and distillation.

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Incubators

Thermo Fisher CO2 Incubators deliver proven reliability, outstanding contamination control, and innovative features to achieve optimal growing conditions and experimental reproducibility for your most demanding cell cultures and lab requirements.

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Laboratory-equipment.com offers an extensive portfolio of Sartorius products for modern laboratories including weighing solutions, pipetting equipment, and ASTM-rated water purification systems.

Balances

Cubis II Balances combine a display unit, weighing module, draft shield, and software package for various applications. Cubis balances are available in several formats with maximum loads between 2.1g up to 70kg and readability of 0.1 µg up to 1 g.

Pipettes by Sartorius are available on Laboratory-equipment.com including Picus, Picus electronic, Tacta®, mLINE, and ProLine. Advanced features include accredited 3-point calibration per ISO 17025 and ISO 8655, ergonomic designs to minimize repetitive strain injury (RSI), and multiple pipetting modes for various applications, including PCR, ELISA, and cell culture.

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Water Purification

Arium® Ultrapure Water Systems produce Type I ultrapure water for hyper-sensitive applications including High-Performance Liquid Chromatography (HPLC), Mass Spectrometry (MS), and Gas Chromatography (GC).

Sartorius Type 2 Water Systems integrate Electrodeionization (EDI) technology and Bagtanks for buffer and media preparation. Type 3 Reverse Osmosis (RO) systems boast a throughput of up to 24 L/hr for standard laboratory applications.

Sartorius Combined Water Systems feature benchtop and wall mount packages for both pretreatment and final purification. The Arium Comfort I and Arium Comfort II are available with 8L or 16L per hour capacities.



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Laboratory-equipment.com offers a curated lineup of IKA equipment including magnetic stirrers, mixers, overhead stirrers, shakers, homogenizers, mills, calorimeters, and associated software systems.

IKA Overhead Stirrers are used for a broad range of mixing applications including tissue grinding, cell media preparation, wastewater purification, and the formulation of polymers, adhesives, or coatings. EUROSTAR Overhead Stirrers include wireless controls, automatic speed adjustment, programmable functions, and integrated temperature measurement.

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IKA batch dispersers

are designed for continuous mixing of bulk samples (up to 30 liters in volume), such as paint formulations, adhesives, ceramics, and oils. As sample viscosities change during the dispersion process, batch models are designed to maintain mixing speeds.



IKA's Laboratory Mill and Grinder

portfolio includes low-power models with 80-watt motors and high-power models with 500-watt motors. IKA's standard units include protection mechanisms such as emergency-stop switches, overheating alarms, and grinding enclosures to prevent operator exposure.



Laboratory-equipment.com offers a curated selection of BMG LABTECH microplate readers and microplate incubators for assay development, real-time cell-based assays, signaling, reporter gene analysis, and DNA/RNA quantification. Compare dedicated and multi-mode microplate readers for low, moderate, and high throughput screening.

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The **SPECTROstar Nano** and **SPECTROstar Omega**, developed by BMG LabTech, are high-precision microplate readers focused on absorbance-based assays using UV/Vis spectrometry. Omega models offer simultaneous reagent injection and detection. These units are adept in handling a wide range of assays such as DNA, RNA, ELISA, and enzyme activity, supported by a spectral range of 220 - 1000 nm. In contrast, the

CLARIOstar Plus Multi-Mode Plate Readers are engineered for high-throughput analysis across diverse assays, featuring dual Linear Variable Filter (LVF) monochromators and a built-in UV/Vis spectrometer.

FLUOstar Omega Multimode Microplate Readers offer versatility with six detection modes, making them suitable for an array of biochemical and cellular assays, including protein quantification and enzymatic reactions.

PHERASTAR FSX HTS, armed with Simultaneous Dual Emission (SDE) technology, prioritizes high-throughput capabilities without sacrificing assay sensitivity. The inclusion of software-controlled top/bottom reading and dedicated light sources renders it especially useful for complex assays like ELISA and protein analyses.



Shop PCR equipment by Analytik Jena including thermal cyclers, nucleic acid extraction kits, and gel imaging systems.

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QTOWER 3 Real-Time PCR thermal cyclers come equipped with software that is compliant with the FDA's 21 CFR Part 11, thereby including features like individual user authentication, inactivity-triggered lock-out, a comprehensive event log, and e-signature functionality.

innuPREP Nucleic Acid Isolation Kits use magnetic beads to isolate DNA, RNA, or other target molecules from biological samples. The complete isolation and purification process includes automated mixing, magnetic bead transfer, washing, and elution steps.

Biometra Thermal Cyclers introduce Linear Gradient Tools for PCR optimization during the primer annealing process. The TAdvanced Series builds upon this by adding GLP-compliance, multi-step programming, automatic restart capabilities after a power failure.



Laboratory-equipment.com offers a broad selection of Helmer scientific refrigerators for pharmacies, labs, hospitals, and clinical research.

Helmer Scientific's **GX Horizon Series** and **GX i.Series** refrigerators distinguish themselves through features like OptiCool systems and user-friendly 7" touchscreen displays. Most of these models are Energy Star certified and support CDC vaccine storage guidelines, with some explicitly designed for cleanroom compounding pharmacies.



GX i.Series Pass-Thru Pharmacy Refrigerators

come equipped with an OptiCool system and a high-definition 7" touchscreen interface, underpinned by the intuitive i.C3 user interface.

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GX Horizon Upright Medical-Grade Refrigerators

have glass doors for high visibility when storing clinical samples, reagents, lab media, and controls. Factory pre-set to 4°C for laboratory applications.

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Circulators & Chillers

[Laboratory-equipment.com](https://www.laboratory-equipment.com) hosts a broad lineup of JULABO chillers and circulators for tasks that involve precise control of temperature between -20 °C and +250 °C. Common applications include controlling the temperature of samples, temperature testing of food or luxury articles, materials testing, and evaluation, adjustment, or calibration of thermometers and thermal switches.



JULABO Laboratory Circulators are designed for temperature control in bath tanks up to 50L. For flexible installation, these units can be clamped to walls of thicknesses up to 26mm or fastened to laboratory stands.

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Immersion Bath Circulators by JULABO are engineered for precise temperature management and temperature stability of $\pm 0.03^{\circ}\text{C}$ to minimize error margins and bolster the reliability of experiments.

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PRESTO A45 and A45t air-cooled processing systems by JULABO provide high-precision temperature control in automotive and aerospace components and materials testing

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Shop [Laboratory-equipment.com](https://www.laboratory-equipment.com) for a broad selection of IC Biomedical nitrogen freezers, refrigerators, dewars, and shippers. IC Biomedical merges two long-time cryogenic equipment providers – Worthington’s Life Sciences Cryogenic Equipment Group (formerly Taylor-Wharton Cryoscience) and International Cryogenics Inc.



IC Biomedical Cryogenic Storage Systems are engineered to provide optimal sample capacity, with rack configurations designed for 81-cell or 100-cell cryo-boxes. The systems are available in varying capacities.



TW Series Freezers allow LN2 storage in either liquid or vapor phase for biobanking. A single pivot point aluminum turntable for smooth rotation and ergonomic use.



TW LS Series Aluminum Vessels encompass 35 - 165L dewars for LN2 liquid or vapor vial storage in box-type racks.



CX/CXR Cry Vapor Shippers are purpose-built for the secure, vapor-phase transport of biological samples.



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Laboratory-equipment.com offers a broad selection of BINDER dry chambers, humidity chambers, climate test chambers, photostability chambers, and plant growth chambers

Environmental Test Chambers



Test Chambers

Standard Environmental Test Chambers support temperatures that range from ambient values up to 70°C, while Climate Testing Chambers offer a broader range of -40°C to 180°C. Growth Chambers focus on optimizing conditions for seed germination and are capped at 50°C.

KBF Humidity Test Chambers maintain relative humidity levels from 10% to 98%. These specialized chambers come equipped with visual and audible alarms for parameter deviations, offering a multifaceted solution for various environmental testing requirements.

Drying Chambers

ED Series Drying Chambers represent a high-end assortment of gravity convection ovens, specifically designed for rigorous drying and sterilization processes. Notable for their expansive temperature range, which reaches up to 300°C, these chambers find applications across various domains, including scientific research, medical fields, and quality assurance processes.

Vacuum Chambers

VD and VDL Series Vacuum Drying Chambers from Binder cater to specialized drying applications requiring low-pressure environments and elevated safety measures. The VDL Series is ATEX compliant, making it suitable for hazardous environments.



Shop Shel Lab Products
at Laboratory-Equipment.com
including incubators, humidity test
chambers, ovens, anaerobic
chambers, and water/bead baths
for the life science,
pharmaceutical, biomedical,
environmental, and industrial
markets.

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Air Jacked CO2 Incubators include advanced
PID temperature control, USB data logging, and
a glass viewing door for in-process monitoring.



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Shel Lab Large Capacity Forced-Air Ovens are
architected for high-throughput applications where
fast temperature recovery and uniformity are
pivotal.



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Shel Lab Vacuum Ovens are designed for
specialized, low-temperature processes
requiring a high degree of vacuum integrity.



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Shel Lab Gravity Convection Ovens offer precise
temperature uniformity and are constructed with a
robust triple-wall design.



**Shel Lab Bactrox Hypoxia
Chambers** feature Advanced
Atmospheric PID Controllers
and highly accurate zirconium
dioxide sensors for precise
levels of oxygen and carbon
dioxide (1% - 20%).

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