

Company Profile

L A B T R O S C I E N T I F I C



Labtro Scientific - An Overview

Labtro Scientific is a manufacturer and supplier of laboratory equipment headquartered in Casper, Wyoming. The company supports procurement managers, laboratory directors, research scientists, quality assurance professionals, pharmaceutical manufacturers, and distributors with equipment developed for research, clinical, industrial, quality control, and regulated laboratory environments. Its product portfolio is designed to address defined technical requirements while supporting diverse laboratory workflows across scientific and industrial applications.

The product portfolio encompasses sterilization, centrifugation, thermal management, analytical measurement, molecular biology, microscopy, chromatography, clinical diagnostics, water quality testing, petroleum testing, and containment equipment. Each product category includes a broad range of models developed to accommodate varying throughput capacities, application requirements, and laboratory configurations across research, manufacturing, quality control, environmental testing, healthcare, and academic laboratories.

With a focus on manufacturing consistency, technical documentation, and application-driven product development, Labtro Scientific supports laboratories throughout the equipment evaluation and procurement process. The company provides comprehensive product information, specification documentation, and technical guidance to assist organizations in selecting equipment appropriate for their operational, analytical, and regulatory requirements.

Key Facts

Manufacturer and supplier of laboratory equipment across diverse scientific disciplines

ISO 9001:2015 certified quality management system

ISO 13485:2016 compliant quality management framework for medical device manufacturing

CE-marked laboratory equipment portfolio

Manufacturing processes aligned with Good Manufacturing Practice (GMP) guidelines

IQ (Installation Qualification), OQ (Operational Qualification), and PQ (Performance Qualification) documentation available

Quality-focused manufacturing with emphasis on product reliability, consistency, and performance

Supporting pharmaceutical, biotechnology, healthcare, academic, industrial, and research laboratories

Technical consultation and direct quotation support through dedicated product specialists

Built for the Demands of Regulated Science

Foundational Commitment	Regulatory Commitment
Labtro Scientific manufactures laboratory equipment with a focus on consistent product quality, controlled manufacturing processes, and documented engineering practices throughout the product lifecycle. From routine laboratory applications to large-scale procurement for research, healthcare, pharmaceutical, and industrial facilities, the company applies a standardized manufacturing approach across its product portfolio. Product design, material selection, manufacturing, inspection, and final verification are performed within established quality management processes to support long-term operational consistency and application suitability.	Quality is integrated throughout the manufacturing process, from product development and component verification to assembly, inspection, and final product evaluation. Labtro Scientific emphasizes process consistency, technical documentation, product traceability, and manufacturing controls to support laboratories requiring dependable equipment for analytical, research, clinical, and industrial applications. This structured approach enables organizations to evaluate and integrate equipment with confidence while supporting established laboratory workflows and quality management practices.

*"The quality of scientific data depends on the consistent performance of the equipment used to generate it. That principle defines the standard upheld by **Labtro Scientific**."*

Comprehensive Equipment Categories

Labtro Scientific manufactures laboratory equipment across a comprehensive range of scientific disciplines. The product portfolio supports the complete laboratory workflow, encompassing sample preparation, sterilization, thermal processing, analytical measurement, molecular biology, chromatography, microscopy, containment, clinical diagnostics, and material testing.

Each equipment category is developed to accommodate diverse laboratory applications, operational requirements, and quality management practices across research, healthcare, pharmaceutical, industrial, environmental, and academic environments.

Sterilization & Containment	Centrifugation & Separation	Thermal Processing
▸ Autoclaves (bench-top, vertical, horizontal, pulse vacuum) ▸ Steam Sterilizers ▸ Hot Air Sterilizers ▸ Dental Vacuum Autoclaves ▸ Glass Bead Sterilizers ▸ Bacti Cinerator Sterilizers ▸ Biosafety Cabinets (Class II A2) ▸ Laminar Flow Cabinets (horizontal & vertical) ▸ Fume Hoods (ducted, chemical-resistant, stainless steel, perchloric acid) ▸ Laboratory Clean Bench	▸ Laboratory Centrifuges ▸ High Speed Centrifuges ▸ High Speed Refrigerated Centrifuges ▸ Low Speed Centrifuges ▸ Low Speed Refrigerated Centrifuges ▸ Large Capacity Refrigerated Centrifuges ▸ Hematocrit Centrifuges ▸ Blood Serum Centrifuges ▸ Microplate Centrifuges ▸ Cell Washer Centrifuges ▸ Blood Card Centrifuges ▸ Gel Card Incubator Centrifuges	▸ Laboratory Ovens (drying, forced air, vacuum) ▸ Laboratory Furnaces (muffle, atmosphere, vacuum) ▸ Water Baths (constant temperature, thermostatic, shaking, refrigerated) ▸ Incubators (CO₂, BOD, shaking, mold, thermostatic, biochemical, dry bath) ▸ Environmental Test Chambers ▸ Stability Test Chambers ▸ Temperature and Humidity Test Chambers ▸ Drug Test Chambers

Analytical & Spectroscopy	Chromatography	Molecular Biology & Clinical
▸ UV-Vis Spectrophotometers (single beam, double beam, nano, micro) ▸ FTIR Spectrometers ▸ X-ray Fluorescence (XRF) Spectrometers ▸ ICP Mass Spectrometers ▸ Flame Photometers ▸ Colorimeters ▸ Photometers ▸ Refractometers (Abbe, auto, portable, thermostatic) ▸ Polarimeters (manual, digital automatic) ▸ Density Meters ▸ Halogen Moisture Analyzers	▸ High-Performance Liquid Chromatography (HPLC) ▸ Analytical HPLC Systems ▸ Gas Chromatography (GC) ▸ Gas Chromatography-Mass Spectrometry (GC-MS) ▸ Thin Layer Chromatography ▸ Potentiometric Titrators ▸ Volumetric Karl Fischer Titrators ▸ Titrators ▸ Total Organic Carbon (TOC) Analyzers	▸ PCR Systems (thermal cycler, gradient, advanced, real-time) ▸ Fluorescence Quantitative PCR Systems ▸ Nucleic Acid Extractors ▸ Flow Cytometers ▸ Gel Electrophoresis Systems ▸ Gel Documentation Imaging Systems ▸ Chemiluminescence Imaging Systems ▸ Hematology Analyzers ▸ Biochemistry Analyzers ▸ Electrolyte Analyzers ▸ Microplate Readers and Washers

Microscopy & Imaging	Water & Environmental Testing	Pharmaceutical & Clinical
▸ Biological Microscopes ▸ Inverted Biological Microscopes ▸ Inverted Fluorescence Microscopes ▸ Stereo Microscopes ▸ Polarizing Microscopes ▸ Confocal Microscopes ▸ Automatic Microtomes (rotary, cryostat, vibrating, semi-automatic) ▸ Tissue Processors ▸ Tissue Embedding Systems ▸ Automatic Slide Stainers ▸ Immunohistochemistry Stainers ▸ Gel Documentation Systems	▸ pH Meters (benchtop, portable) ▸ Conductivity Meters ▸ Dissolved Oxygen Meters ▸ Benchtop Multi-Parameter Water Quality Meters ▸ Benchtop Water Activity Meters ▸ COD Thermoreactors ▸ Nitrite Nitrogen Analyzers ▸ Water Quality Analyzers ▸ Water Purification Systems ▸ Ultrapure Water Systems ▸ Water Distillers ▸ Water Testing Equipment ▸ Petroleum Testing Equipment	▸ Disintegration Testers ▸ Tablet Hardness Testers ▸ Drug Test Chambers ▸ Pharmaceutical Freeze Dryers ▸ Roller Compactors ▸ Hematology Analyzers ▸ Hemoglobin Analyzers ▸ Electrolyte Analyzers ▸ Blood Gas Analyzers ▸ Blood Collection Monitors ▸ Blood Warmers ▸ Spirometers ▸ Glucometers and Glucose Meters

Additional Equipment Categories

Labtro Scientific also manufactures Balances and Weighing Equipment, Shakers and Mixers, Peristaltic Pumps, Rotary Evaporators, Freeze Dryers, Homogenizers, Pipettes and Liquid Handling Equipment, Viscometers, Particle Size Analyzers, Particle Counters, Air Samplers, Gas Analyzers and Gas Detectors, Chillers, Kjeldahl Digestion Systems, and Soxhlet Apparatus. The complete product listing is available at www.labtro.com

Standards That Govern Every Product

Laboratory equipment intended for regulated environments must be supported by a documented quality management framework throughout design, manufacturing, inspection, and final release. Labtro Scientific maintains an integrated compliance framework that addresses quality management, product safety, validation documentation, and regulatory conformity across applicable equipment categories.

ISO 9001:2015 Quality Management System	ISO 13485:2016 Medical Device Quality Management	CE Certified European Conformity
Labtro Scientific operates under an ISO 9001:2015 certified Quality Management System that governs design controls, manufacturing processes, document management, supplier oversight, nonconformance management, corrective and preventive actions, and continual improvement. This framework provides the operational structure for consistent manufacturing and quality assurance throughout the product lifecycle.	Applicable product categories are manufactured under an ISO 13485:2016 compliant quality management framework for medical device manufacturing. This standard supports the documentation, traceability, risk management, and process controls expected within clinical, diagnostic, and healthcare laboratory environments where regulatory compliance is a procurement requirement.	Applicable CE-marked equipment conforms to relevant European Union legislation governing health, safety, and environmental protection. CE certified demonstrates that the equipment has undergone conformity assessment procedures in accordance with applicable regulatory requirements before being placed on the market.
Good Manufacturing Practice (GMP) Manufacturing Compliance	IQ / OQ / PQ Documentation Equipment Qualification	Broader Regulatory Alignment Additional Compliance Standards
Manufacturing operations are conducted in accordance with Good Manufacturing Practice (GMP) guidelines, supporting documented production processes, controlled manufacturing environments, material traceability, process verification, and manufacturing records. These practices support the expectations of pharmaceutical manufacturers, contract research organizations, and regulated laboratories operating under established quality systems.	Where applicable, Installation Qualification (IQ), Operational Qualification (OQ), and Performance Qualification (PQ) documentation is available to support equipment qualification, commissioning, validation activities, and lifecycle documentation. These protocols facilitate qualification processes within GMP-governed, and accredited laboratory environments.	Depending on product category and intended application, selected equipment is manufactured in accordance with additional regulatory and industry requirements, including the Low Voltage Directive (2014/35/EU), Measuring Instruments Directive (2014/32/EU), and applicable EC Declaration of Conformity requirements. Compliance is determined by the technical characteristics, regulatory classification, and intended use of each equipment category.

Who Labtro Scientific Serves

Labtro Scientific supports organizations operating in regulated, research, clinical, and industrial environments where equipment selection is guided by documented quality requirements, operational consistency, and compliance with applicable standards. The product portfolio is developed to address the technical and operational requirements of laboratories across diverse scientific disciplines, supporting applications ranging from routine analysis to regulated manufacturing and quality control.

Across the sectors served, common procurement priorities include consistent equipment performance, documented qualification, regulatory conformity, and compatibility with established laboratory quality management systems.

Pharmaceutical Manufacturing & Quality Control

Supporting pharmaceutical development, manufacturing, and quality control workflows, including drug stability studies, dissolution testing, tablet evaluation, active pharmaceutical ingredient (API) testing, and GMP-regulated production. Equipment categories include stability chambers, autoclaves, tablet hardness testers, disintegration testers, pharmaceutical freeze dryers, analytical balances, and related laboratory equipment for quality assurance and process validation.

Clinical Diagnostics & Healthcare

Designed for clinical laboratories, hospitals, diagnostic centers, and blood banks performing hematology, clinical chemistry, microbiology, immunology, blood storage, and point-of-care testing. Equipment categories include hematology analyzers, electrolyte analyzers, centrifuges, biosafety cabinets, autoclaves, blood warmers, microplate readers, and microplate washers.

Life Sciences & Research

Supporting molecular biology, genomics, proteomics, microbiology, cell culture, and biomedical research across academic, pharmaceutical, and biotechnology laboratories. Equipment categories include PCR systems, nucleic acid extractors, CO₂ incubators, flow cytometers, gel electrophoresis systems, spectrophotometers, microscopes, and centrifuges across a range of capacities and operating speeds.

Industrial Laboratories & Quality Control

Supporting material verification, in-process testing, finished product inspection, and manufacturing quality control across industrial sectors. Equipment categories include viscometers, refractometers, titrators, particle size analyzers, XRF spectrometers, petroleum testing equipment, water quality analyzers, and environmental test chambers.

Environmental & Water Analysis

Supporting environmental monitoring, water and wastewater testing, laboratory analysis, and field-based measurement. Equipment categories include multiparameter water quality meters, COD thermoreactors, BOD analysis systems, dissolved oxygen meters, conductivity meters, pH meters, air samplers, and gas analyzers.

Academic, Government & Public Sector Laboratories

Serving universities, research institutes, government laboratories, public health organizations, and national testing facilities requiring documented quality systems, broad equipment availability, and standardized laboratory workflows. The product portfolio supports laboratory education, applied research, analytical testing, and scientific investigations across introductory, advanced, and specialized laboratory environments.

Contact Information

Registered Address

Labtro Scientific
5830 E 2nd St Casper, WY 82609, United States

Email: info@labtro.com

Phone / WhatsApp: +1 (581) 465-7347

Website: www.labtro.com

Procurement & Technical Inquiry Quotation Requests

Procurement managers, laboratory directors, distributors, and purchasing organizations can request quotations through the contact form on the Labtro Scientific website, by email, or via the designated WhatsApp channel. To support timely procurement planning, inquiries are typically acknowledged within one business day.

Technical Consultation

Technical support is available for research scientists, quality assurance professionals, laboratory managers, and procurement teams requiring assistance with equipment selection, technical specifications, application suitability, qualification documentation, or regulatory compliance prior to purchase.

Product Catalog & Documentation

The complete Labtro Scientific product catalog is available through the company website. Product-specific pages provide access to technical specifications, product brochures, applicable compliance documentation, and qualification information, enabling procurement teams and laboratory personnel to evaluate equipment against operational and regulatory requirements.

The Product Spectrum



Centrifuges



Freezers



Autoclaves



Chillers



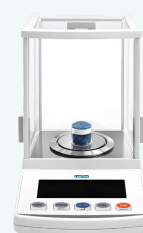
Incubators



Mixers



Shakers



Balances



Analyzers



Ovens



Microtomes



Refractometers

LabTro

