

thermoscientific



Startup to finish
we're there for you

Everything you need for your Food and Beverage Lab

Thomas
Scientific

ThermoFisher
SCIENTIFIC

Food Testing and Analysis

Food quality and safety are two of the most challenging issues in the current regulatory environment that are of great concern to today's health-conscious consumers. Whether you are testing for contaminants or developing a new production process, we're here to help. Our knowledgeable employees, innovative products, and an array of quality assurance solutions and educational resources enable you to maintain your focus where it should be—on delivering food products that meet the highest standards of food quality, safety, and authenticity that today's demanding consumers worldwide expect.



Thermo Scientific™ Food Testing and Analysis Products

Samco™ Transfer Pipettes

Built-in bulb prevents plugging

- Built-in bulb that eliminates the need for plugging, packaging and autoclaving
- Shatterproof, nontoxic polyethylene
- Low-affinity surface reduces loss of cells and valuable proteins due to binding
- Slurry pipettes for viscous samples



Nalgene™ HDPE Bottles

Certified sterile and ready-to-use

- Semi-rigid, translucent all-purpose bottle
- Designed for long-term, demanding lab use
- Excellent chemical resistance



Capitol Vial™ Low- and High-profile Containers with Lock-Seal

Lock-Seal Tab

- Ideal for storing and packaging a wide variety of liquids and solids
- Lock seal tab prevents spills and leaks



Capitol Vial™ Low-profile Flip Top Containers

FDA-compliant

- Ideal for economical storage or packaging of a wide range of liquids and solids
- 100% FDA compliant food grade polypropylene
- Aseptic, airtight and leak resistant construction with permanent hinge lid
- Shoulderless, liner-less containers
- Available in a variety of colors or clear



Cimarec+™ Digital Hotplate Stirrer

Advanced technology. Flexible, robust design

- Temperature adjustable in 1 degree increments
- Hot Top warning system protects from accidental burns with prominent display when heating surface is above 50°C (122°F)
- Top plate choices in ceramic or aluminum



Arctic™ A25 Refrigerated Bath Circulator

High throughput and workflow efficiency

- Temperatures ranging from -25° to +200°C
- Maximum bath volume of 12 liters
- Stainless-steel reservoir can be configured with different cooling capacities, temperature ranges and volumes to meet your specific application



Barnstead™ Water Purification System

Exceptional lab water systems without the attitude

- Feed water monitoring protects against crucial fluctuations that compromise purity
- Choose from compact systems with numerous mounting options and flexible dispensing features
- Mix and match systems to achieve specific water purity and volumes as required by your unique application and water source



National Target™ Syringes

Dispense small volumes

- These disposable syringes feature two-part construction using polypropylene barrels and polyethylene plungers
- No need for rubber or synthetic plunger gaskets, and requires no silicone or oil lubricant in the barrel



National Target2™ Syringe Filters

Ensure clean samples

- Protects delicate instruments and prolongs column life
- Sizes and membrane types to meet any application need
- Target2 Nylon Syringe Filters are a good choice for most general laboratory filtration



HyperSep™ Dispersive SPE Centrifuge Tubes

High recovery, accurate results

- Offers a convenient and effective approach for extraction and clean-up of pesticide residues in food and other complex matrices
- High sample throughput
- Low solvent and glassware usage
- Lower reagent costs



Savant™ SpeedVac™ Vacuum Concentrators

Convenience, Safety and Flexibility

- Simplicity – Operating our Savant SpeedVac concentrators is easy – a single program is all you need to support your DNA/RNA applications
- Sample Protection – DNA/RNA samples require careful handling during the denaturing process
- Compact, Easy-to-Use Design – Our DNA concentrators are the smallest integrated benchtop units available



MaxQ™ 6000 Stackable Incubated/Refrigerated Digital Shaker

Save valuable lab space

- Save space by stacking units two-high on the floor
- Sample storage and orbital shaking with intuitive, easy-to-use digital controls



Vituoso™ Vial Identification System

Ensures accurate sample identification and increases productivity

- Error-free option to manual vial labeling
- Accurate vial identification and reliable data
- Touch screen and network capabilities allow you to transfer text, graphics, barcodes, and logos directly to your vials



Nalgene Beakers

Precise and efficient pouring

- Single spout design
- Easy-to-read silk-screened graduations
- Wide variety of plastics to suit your laboratory requirements



Nalgene PPCO Graduated Cylinders

No meniscus to confuse readings

- Dispense liquids easily with simple to read, molded-in graduations that won't rub off
- Generous pour spout
- Excellent chemical and break-resistance



Heraeus™ Benchtop Centrifuges

Fits in. Stands out.

Featuring innovative Thermo Scientific™ technologies including:

- Push-button security and application flexibility with Auto-Lock™ rotor exchange
- Outstanding ergonomics and performance by Fiberlite™ carbon fiber rotors
- One-handed sample protection from ClickSeal™ biocontainment lids



Nalgene Waste Container with Lid

Economic alternative to stainless-steel tanks

- Resists stress cracking and increase tolerance to many organic chemicals
- Secure, friction-fit closure
- Molded-in hangrips
- Meets OSHA Standard 29 CFR Part 1910.1030 for use as protection against bloodborne pathogens



Nalgene and Nunc™ External-Threaded Cryogenic Tubes

High quality, reliable sample storage

- Volumes from 0.5mL to 15.0mL
- Sterility to SAL 10⁻⁶
- Made from non-cytotoxic and non-mutagenic raw materials
- Compatible with standard system cryoboxes and racks
- CE marked



UHPLC and HPLC Columns

Built for sensitivity, throughput and reproducibility

- Large portfolio of high-resolution, high-efficiency columns for separations of foods and beverages
- Complete selection of reversed-phase columns
- Stationary phases include silica, polymer and specialty phases



Nalgene IP2 Bottles

Resists splitting and punctures

- Wide mouth for easy filling
- Store dry or liquid materials
- Ideal as inner containers for customers who design, assemble and certify their own combination packaging



Nalgene Analytical Filters

Reliable and Consistent Analytical Filterware

- Ability to easily retrieve filter membranes for growth and analysis
- Engineered to deliver best-in-class performance for testing of water, food and beverage, raw materials and finished product



TSX Undercounter Refrigerators

The only undercounter lab-grade refrigerator with redundant cooling

- High storage capacity
- Variable speed control using thermoelectric devices in place of compressors, provides ideal conditions for the most demanding applications
- Designed to meet UL and CE criteria for safety and performance



Nalgene Sterile Single-Use PETG Flasks

Ideal solution for scaling up your suspension cultures

- Sterile and single use: Reduce contamination risk
- Robust and break resistant: Increase personal safety
- Collapses when autoclaved: Reduce biohazardous waste
- Graduated for quick volume assessment



TraceGOLD Capillary GC Columns

Built for sensitivity, throughput and reproducibility

- Suitable for pesticides and other highly active components
- Ultra low bleed is essential for GC-MS, gives greater sensitivity and extended column lifetime
- Superior inertness provides excellent peak shape and sensitivity



Orion™ Portable Benchtop Meters and Electrodes

The measure of confidence

- Easy meter operation assured with on-screen text prompts, menu-specific function keys and a multi-language interface
- Thermo Scientific™ AUTO-READ™ locks in the stable reading on your screen, ready indicator alerts
- Up to 5 point pH calibration with automatic recognition for USA/NIST and DIN buffers or manual option for custom buffer values and calibration editing to fix individual points without a full recalibration



An exceptional line of technologies and laboratory solutions to enable your smart lab

Our commitment: to help you attain the maximum value from our high-quality laboratory solutions. Every Thermo Scientific product is backed by our worldwide customer support and service. We are always ready to help you gain the maximum advantages from our high-quality laboratory solutions.

Microbiology Food Testing

Our microbiology solutions bring together the best in food quality and safety testing. With our industry insight, scientific expertise and access to market-leading technologies that enable us to quickly develop new products and protocols, we can help you remain adaptive, responsive and competitive.



Thermo Scientific™ Microbiology Food Testing Products

Nalgene Erlenmeyer Flasks

No meniscus to confuse readings

- Excellent chemical compatibility
- Shatter-proof construction
- Available in a wide variety of plastics to suit all your laboratory requirements



Nalgene Volumetric Flasks

Lighter in weight than glass

- Excellent chemical resistance
- Calibrated "To Contain" and "To Deliver" at 20°C
- Available in polypropylene copolymer and polymethylpentene



Thermal Mixers

Versatile mixer with variable speed and temperature control

- Shaking speed: 250 to 1400 rpm
- Temperature control range : +15°C to 100°C; stability: ±0.1°C
- Choice of 5 interchangeable blocks
- Heating/Cooling and mixing functions can be run independently of each other



Nalgene Super Versi-Dry Surface Protectors

Absorbs spills and cushions breakable items

- Skid- and chemical-resistant; waterproof
- Cloth-like top layer will not fall apart - even when wet
- Available in sheets and rolls to fit most any flat surface



Heraeus™ Microcentrifuges

Safe, powerful, versatile, easy-to-use

- The standard rotor runs 24 tubes in a single row with equalized g-forces for reproducibility, from 1.5 to 2.0 mL tubes to mini-preps and spin columns
- Eliminate the need for adapters with the unique dual row rotor, which holds 18 tubes of both 1.5/2.0 mL and 0.5 mL in the same run
- Maximize your micro-volume capacity with the new 10 x 5 mL rotor with ClickSeal biocontainment lid, separating samples at g-force up to 20,326 x g



VersaCool™ Refrigerated Circulating Bath

Experience the benefits of going headless

- Energy efficient refrigeration system resulting in lower power consumption and energy costs
- Tool-less, drip-less rack and lid for enhanced safety and faster cleanup
- USB and Bluetooth™ communications enabling remote operation



TSX Series High-Performance Lab Refrigerators

Designed to maintain temperature uniformity

- Advanced microprocessor temperature control
- Highest quality cabinet construction and alarm systems
- Positive, forced air circulation for uniform temperature and fast door opening recovery



Heratherm™ Heating and Drying Ovens

Safe, easy and efficient

- Unique door design reduces heat emission and flexible shelving system allows for optimal space utilization
- Temperature uniformity: ± 1.3°C at 150°C
- Automatic audible and visual over-temperature alarm



Environmental Chambers

Meeting your specific needs

- Optimum uniformity and a wide temperature range for easy compliance with regulatory requirements
- Rugged construction and durable shelving for long life
- Broad range of options to create the perfect fit for your applications
- Valuable features for flexibility and cost-effectiveness



Owl™ Gel Boxes and Power Supplies

Flexibility for your application

- Broad selection of industry-leading gel boxes and power supplies
- Flexibility for your application – Choose from a wide range of gel formats, including over 400 different combs and accessories
- Durability – Manufactured with industry-leading solvent-welded construction



Revco RLE Series Ultra-Low Freezers

Designed to keep your samples safe

- Low peak variation helps ensure sample protection throughout entire cabinet
- Fast door opening recovery in as little as 13 minutes
- 0.93°C steady-state temperature variation over time
- Long warm-up time from -80°C to -50°C in 5 hours
- Four capacities: 300, 400, 500 and 600 2-inch box



Compact Dry Bath/Block Heaters

Increase your lab versatility

- Offering a range of configurations with interchangeable module blocks for a variety of application needs
- Maximum temperature of 130°C
- Available in 1, 2 and 4 block sizes



Nunc Storage Microplates

Ideal choice for storage

- Proteins and DNA will not adhere to polypropylene, allowing for complete sample recovery
- Variety of colors for quick identification of compounds being stored
- Withstands temperatures from -80° to +121°C



Nalgene Rapid-Flow Filter Units

Superior performance and the last line of defense against contamination

- Rapid-Flow design increases flow rate and throughput due to a support system engineered to work at maximum efficiency
- Range in membrane porosity, including 0.1 micron option for Mycoplasma protection
- 0.2 micron aPES Rapid-Flow filters are STEM CELL TESTED for safe use with stem cell media



Nunclon Sphera Cell Culture Surface Coating

Supports easy, repeatable growth of spheroid cultures

- Optimize spheroid formation — Grow cultures in suspension with low-binding surface
- Grow 3D cultures — Accurately simulate tumor cell progression
- Superior embryoid body formation — Form pluripotent stem cells with minimal spontaneous differentiation



Heratherm Microbiological Incubators

Outstanding temperature stability and uniformity

- Choice of Gravity or Dual Convection with adjustable fan that can be reduced to 0%
- Ambient plus 5°C to 105°C temperature range
- Five sizes available: three benchtop models that are stackable (60L, 100L, 180L) and two floor-standing models with lockable casters (400L and 750L)



Orion Portable and Benchtop Meters and Electrodes

The measure of confidence

- Easy meter operation assured with on-screen text prompts, menu-specific function keys and a multi-language interface
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- Up to 5 point pH calibration with automatic recognition for USA/NIST and DIN buffers or manual option for custom buffer values and calibration editing to fix individual points without a full recalibration



Food Safety & Quality

The important job of characterizing food properties in today's modern laboratory—from pesticide residues analysis, mycotoxin analysis, and persistent organic pollutants (POPs) to food labeling—helps ensure high-quality and safe food products and consumer confidence.

We offer a broad range of innovative products for food analysis, providing you with complete end-to-end food analysis solutions.



Thermo Scientific™ Food Safety and Quality

Finnpipette™ F1 Pipettes and Tips

Exceptional performance with comfort, redefined

- Volume adjustment is virtually effortless and silent
- Textured adjustment knob and optional grip strip enable a firmer grip



ART™ Pipette Tips

Fits virtually any pipette

- Low-retention technology for maximum sample recovery
- Complete selection of barrier, non-filtered and specialty tips
- Self-sealing barrier ensures protection



Nalgene Square PETG Media Bottles

Ideal for storage and sampling of APIs and bulk intermediates

- Heat-shrink band around closure and neck for tamper-evident seal
- Leakproof bottles and HDPE closures provided
- Sterile and non-pyrogenic



Rockers and Rotators

Maximize your lab's efficiency through reliable precision

- Digital Speed Control: 5-100rpm
- Easy to adjust tilt angle: 7° to 13°
- Compact design is ideal for placing in incubators (non-CO₂), chambers and refrigerators (up to 60°C)



Nunc 15 and 50mL Conical Centrifuge Tubes

Increased traceability

- Increase traceability of samples with one of the largest writing areas on the market
- Sterile
- Environmentally friendly recyclable plastic rack



Automation Tips

Achieve accuracy and precision

- Quality controlled for reliable and consistent performance for many automated pipette systems
- Tips designed for Tecan®, Beckman, PerkinElmer/Packard, Eppendorf epMotion® Automated Pipette Systems and many others



MaxQ™ Shakers

Reliable versatility to move your research forward

- Reliability - Our outstanding drive mechanisms provide continuous 24-hour operation and allow you to shake large and uneven loads, smoothly and uniformly
- Simplicity - Easy-to-use controls are designed to precisely adjust individual displays for temperature, speed and time
- Flexibility - Benchtop, floor and stackable models are available fully equipped with incubation, refrigeration and water bath options to accommodate any application and budget



Precision™ Water Baths

A new generation to support your science

- Precision is Compact – Save valuable bench space with a smaller footprint on general purpose baths, compared to previous models
- Precision is Effortless – Automatically preheat and turn off your bath for efficient work scheduling with new auto-on and auto-off timers
- Precision is Intuitive – Simplify parameter setting and monitoring with new icon-based controller interface



Nalgene Carboys & Jerricans

Large volume storage

- Leakproof to ensure contained materials are not lost during storage or transport
- Sterile, single-use options to eliminate the need for in-house packaging and sterilization
- Sanitary fitting options for easier cleaning validations and processes
- Validation binders and forced extraction studies to support regulatory compliance needs



National™ SureStop™ and Chromacol™ SureStop™ Vials and Closures

Innovative vial design, unmatched performance

- Designed with Advance Vial Closure System technology – providing a definite stop point when screwing the cap on, preventing over-tightening
- Sealing and performance characteristics of a crimp top vial with the versatility of a threaded vial



Nalgene Right To Understand Safety Washbottles

Globally Harmonized

- Prevents chemical accidents by clear and understandable labeling
- Self-venting wash bottles eliminate risk of bottles self-dispensing



Nalgene Economy Washbottles

Uniform leak-proof service

- Tight fitting draw tube and closure prevents bottl/top separation when squeezing wash bottles
- Designed to dispense through the top with a closure and stem molded in one piece
- Cut back tip allows you to increase flow



Nalgene Cryoboxes

Budget-friendly

- Available in materials ranging from economical chipboard boxes to break-resistant, durable polycarbonate boxes – budget-friendly choices
- Dense storage format available - store 169 1mL tubes in a standard cryobox



Nalgene Cryobox Freezer Racks

Convenient cryobox storage

Stainless-steel freezer racks that conveniently store standard cryoboxes and fit most common upright and chest freezers



Cryopreservation Storage Equipment

Indefinite sample storage, infinite possibilities

- Extended Hold Times – Unlike mechanical systems, Thermo Scientific LN₂ storage solutions are designed to offer consistent temperatures even when electricity is lost
- Low Power Consumption – Uses liquid nitrogen, consuming less power than a standard light bulb and providing significant energy savings
- Zero Greenhouse Gases – Because LN₂ storage depends on the cooling power of naturally sourced nitrogen gas, there are no halogenated hydrocarbon refrigerants used and no greenhouse gas concerns



TSX Freezers

Designed to meet the highest protection and sustainability standards for ultra-low storage

- -85°C steady-state temperature variation over time
- Best overall temperature uniformity: < 5.2°C with door openings, < 4.0°C with no door openings
- Long warm-up time from -80°C to -50°C at 5.05 hours



Ensuring food safety and quality for today's demanding consumers.



Food quality and safety are two of the most challenging issues in the current regulatory environment that are of great concern to today's health-conscious consumers. Whether you are testing for contaminants or developing a new production process, we're here to help. Our knowledgeable employees, innovative products, and an array of quality assurance solutions and educational resources enable you to maintain your focus where it should be—on delivering food products that meet the highest standards of food quality, safety, and authenticity that today's demanding consumers worldwide expect.

For more information, contact your Thomas Scientific rep.

We have access to extensive resources that help ensure food and beverage safety, including:

- Food Analytical Testing
- LIMS for Food & Beverage Labs
- Food Weighing & Inspection
- Food Solutions through Rheology & Extrusion
- Food Authenticity & Labeling
- Food Microbiology Testing
- Test Kits for Food & Beverage Analysis



We Believe You Are Important
— How Can We Help?

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