

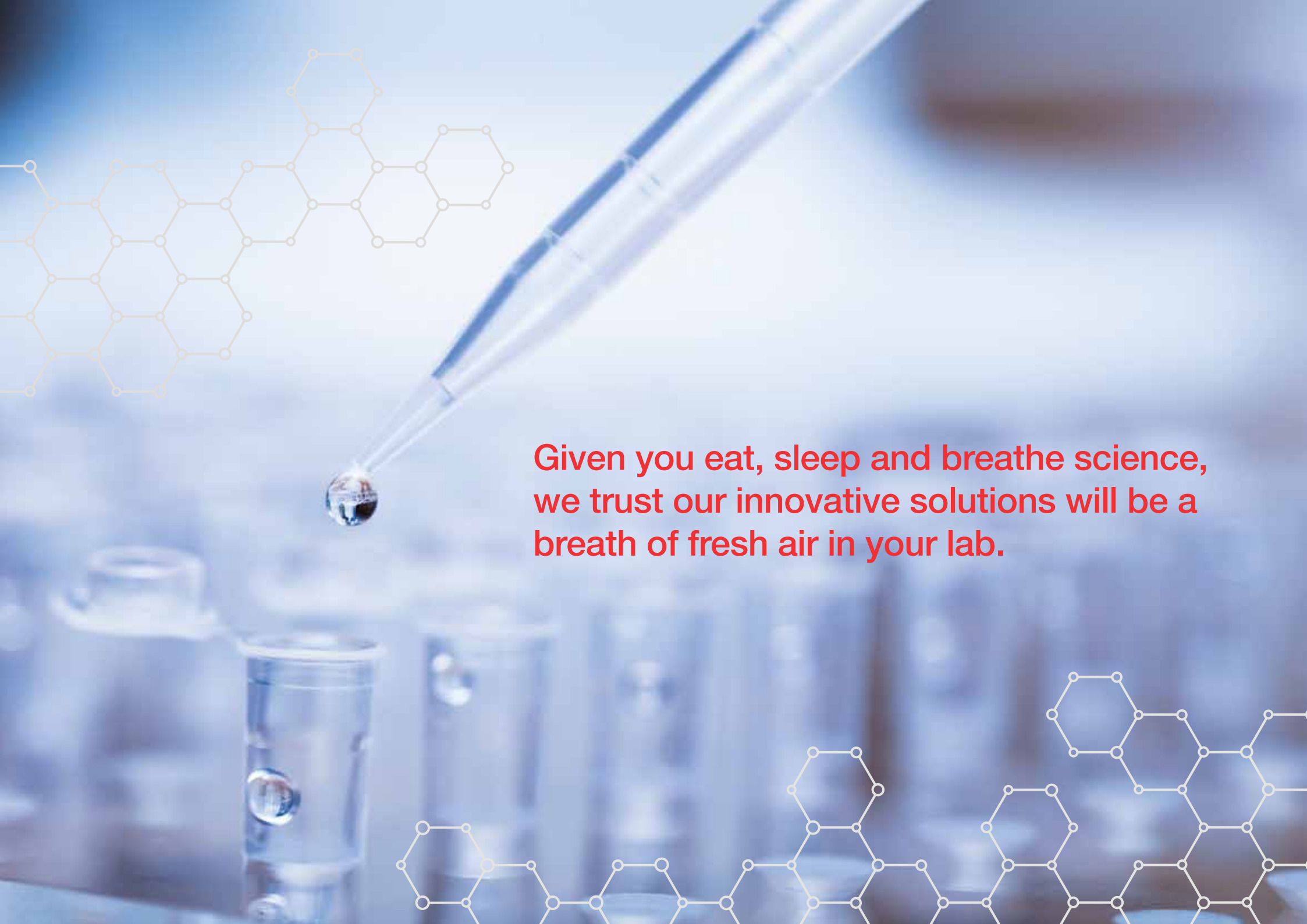
Innovations

# Innovative lab solutions to inspire fresh thinking



Oxygen  
*(The Essential Molecule)*

thermo scientific



**Given you eat, sleep and breathe science,  
we trust our innovative solutions will be a  
breath of fresh air in your lab.**

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# Thermo Scientific laboratory products

Breath-taking infrastructure for every scientific innovation



Thermo Scientific™ instruments and consumables are the essential infrastructure of science. From the laboratory to the field, our products are often the foundation of scientific innovations taking place everywhere, including life science and clinical research, cell and gene therapy, biobanking, and food and water safety testing.

As a trusted partner to scientists, clinicians, and engineers around the world, we work to simplify processes and enable discovery with our laboratory products and solutions. And that means as a customer you can focus on what you do best - making breakthroughs that improve and save lives.

Thermo Fisher Scientific offer what you need, including world wide service and support, delivering smart solutions to fit your needs in the lab.

Move ahead with complete confidence.  
Choose the world leader in serving science.

# Laboratory equipment & consumables

Innovative, easy to use products you can rely upon for precision, consistency and flexibility

Our comprehensive portfolio of equipment, accessories, consumables and services is designed to support you throughout all stages of your project, so you can achieve your scientific goals.



## Laboratory equipment

- Benchtop centrifuges and rotors
- Floor centrifuges and rotors
- Biological safety cabinets and clean benches
- CO<sub>2</sub> incubators and accessories
- Refrigerators, freezers and cryopreservation systems
- Wireless monitoring systems
- Shakers
- Water purification systems
- Water analysis instruments
- Temperature control
- Heating equipment
- Benchtop laboratory essentials
- Vacuum concentrators



## Laboratory plastics & liquid handling

- Manual pipetting systems
- Electronic pipetting systems
- Universal pipette tips
- Automation tips
- Sample processing plates
- Reagent dispensers
- Storage plates, seals and sealers
- 2D storage systems
- Cryotubes and cryogenic accessories
- Filtration products
- Laboratory bottles
- Centrifuge bottles, tubes and microcentrifuge tubes
- General labware
- Packaging bottles
- Packaging microvials
- Immunology microplates
- Clinical containers
- Transfer pipettes

# Laboratory equipment



## Benchtop centrifuges and rotors

- Choice of many models and configurations, from the smallest mini to the highest throughput, highest performance model
- Ideal for clinical, cell culture and life science applications
- Thermo Scientific™ ClickSeal™ biocontainment lids for one-handed sample protection
- Thermo Scientific™ Auto-Lock™ technology for safe and easy rotor exchange
- Lightweight and ergonomic Thermo Scientific™ Fiberlite™ carbon fiber rotors



## Floor centrifuges and rotors

- Wide range of choices excellent for settings from academic research labs to industrial production facilities, including large capacity, super and ultra speed models
- Featuring innovative technologies: Thermo Scientific™ Auto-ID instant rotor identification, Auto-Lock™ rotor exchange, ClickSeal™ biocontainment lids and Fiberlite™ carbon fiber rotors
- Broad selection of rotors for multiple applications
- Up to 8 x 2 litres sample volume
- RCF up to 1 M x g
- Large capacity centrifuges for Bioprocessing and Blood Banking



## Biological safety cabinets and clean benches

### Biological safety cabinets

- Precise self adjusting protection: autonomous safety maintains proper air flow and monitor critical conditions in real time
- Ergonomics: graphical display, electronic sash with fully hinged opening and dedicated accessories improve the user wellbeing
- Management: built-in connectivity readiness for remote monitoring capabilities and performance data collection
- Sustainability: energy conserving dual DC motor and stand-by mode automatically reduce blower speed to protect samples with reduced energy
- Certified to EN12469 and DIN 12980 by TÜV Nord

### Clean benches

- Provide a clean (aseptic) space to work with a product or specimen without contaminating it with particles such as micro-organisms
- Achieve ISO class 5 minimum conditions and EU GMP Grade A work environment in the work area
- SmartPort convenience provides clean and safe routing for vacuum tubing and cables through the side of the clean bench to improve organisation and work efficiency

# Laboratory equipment



## CO<sub>2</sub> incubators and accessories

- Thermo Scientific™ THRIVE™ Active Airflow Technology, provides fast recovery of all parameters (under 10 minutes), excellent temperature uniformity ( $\pm 0.3$  °C) and creates an environment for optimal cell growth
- Decontamination cycles up to 180 °C
- Electro-polished stainless steel or optional 100% pure copper chamber
- Condensation free system to reduce the risk of contamination
- Unique cleanroom design with low particles emission and stainless steel exterior
- Accessories: Individual Thermo Scientific™ Cell Locker™ chamber can be used as a quarantine chamber
- Accessories: Thermo Scientific™ Aqua-Tec™ Water Preservation Cell prevents microbial contamination (countries limited to: Germany, France, UK, Ireland, Switzerland, Austria, Sweden, Iceland)
- Accessories: Retrofittable shelving systems to maximise your CO<sub>2</sub> incubator capacity



## Refrigerators, freezers and cryopreservation systems

- Short, medium and long-term sample storage
- Comprehensive portfolio from 3 °C refrigerators to -196 °C cryogenic freezers and transport systems
- Wide range of capacities available
- Outstanding temperature recovery time
- Energy efficient and sustainable

## Wireless monitoring systems

- Remote monitoring solutions for sample storage and processing
- Automatic and continuous data logging
- Self-monitoring alarm system activates if it exceeds high/low setpoints with immediate notification



## Shakers and accessories

- Robust designs for demanding applications
- User friendly displays to clearly view all parameters simultaneously
- Advanced features on Thermo Scientific™ Solaris™ Orbital Shakers family, provide high compatibility with GLP / GMP
- Market-leading warranty packages – up to 10 years on drive mechanism on selected models
- A versatile range of sizes, technologies & temperature options
- Dedicated platforms & full spectrum of accessories capable of meeting unique applications needs

# Laboratory equipment



## Benchtop laboratory essentials

- Rockers, rotators, mixers and shakers
- Hot plates, stirring hotplates and stirrers
- Dry baths
- Electrophoresis systems

## Vacuum concentrators

- Thermo Scientific™ Savant™ SpeedVac™ vacuum concentrators for removal of solvents or sample concentration
- Integrated systems or individual components
- Pre-configured packages for specific solvents and acids available
- Broad rotor selection for volumes of 0.3-100 ml for tubes, vials and microplates



## Water purification systems for feeding clinical analysers

### Water systems for highest application needs as well as daily routine

- From 1L per minute to 300L per hour
- Type 1 ultrapure, type 2 pure, reverse osmosis systems
- Clinical water systems for analysers



## Water analysis instruments

- Electrochemical sensors for measuring pH, ORP, ISE, conductivity and dissolved oxygen
- Intuitive benchtop or portable instruments for laboratory or field applications with flexibility, easy-to-use features and multi language displays
- Potentiometric automated titrators for pH, redox and ion measurement
- Visual and UV/Visual Spectrophotometers, colorimetry and turbidity metres with associated reagents
- Process sensors and monitors to measure and control pH, ORP, conductivity, resistivity, DO, ozone, free chlorine, and turbidity at the point of need
- Dedicated analysers delivering process analysis at the line for fluoride, chloride, sodium, ammonia, calcium and silica



# Laboratory equipment



## Temperature control

### Water baths

- Rugged, high-performance general purpose, shaking and circulating water baths for water temperatures from ambient to 100 °C
- Capacity from 2 to 89 litres
- Bead compatible baths available, ideal for cell culture

### Circulators

- Cooling / heating with temperature range from -50 °C to 300 °C
- Compact design with maximum capacity
- Energy-saving operation
- Ease of use



## Temperature control

### Laboratory chillers

- Cooling capacity from 250 W to 1.9 kW
- A safe, economical and environmentally friendly replacement for tap water cooling
- Ideal for condensers, rotary evaporators and small analytical equipment

### Recirculation chillers

- Cooling capacity from 1 kW to 21 kW
- Highly configurable, robust and reliable air and water cooled chillers for 24/7 operation
- Wide range of options available
- Ideal for critical applications including larger analytical equipment



## Heating equipment

### Microbiological incubators

- From small benchtop incubators to large floor models
- Decontamination routine
- Dual convection technology

### Refrigerated incubators

- Includes Peltier technology

### Environmental chambers

- Can offer a combination of heat, humidity, light and CO<sub>2</sub>

### Ovens and furnaces

- Heating and drying ovens for up to 330 °C
- Vacuum ovens for up to 400 °C
- Muffle furnaces for up to 1,200 °C

# Laboratory plastics & liquid handling



## Manual pipetting

- Industry-leading pipetting systems for any application
- Thermo Scientific™ F1-ClipTip™ Pipettes provide a complete seal on every channel with tips that lock in place with a light touch
- Thermo Scientific™ Finnpipette™ F1 Pipettes offer ergonomic comfort and safe accurate performance
- Thermo Scientific™ Finnpipette™ F2 Pipettes are robust, durable, sleek and fully autoclavable
- Thermo Scientific™ ART™ Barrier Universal Pipette Tips seal completely to prevent contamination of the pipette and cross contamination of samples
- Thermo Scientific™ Finntips™ and Finntip™ Flex™ tips for optimal performance with Finnpipettes



## Electronic pipetting

- Thermo Scientific™ E1-ClipTip™ and Thermo Scientific™ Finnpipette™ Novus electronic pipettes provide index finger pipetting action to improve user comfort
- E1-ClipTip electronic pipettes feature electronic tip ejection to support reduced risk of repetitive strain injury
- Single and multi-channel options
- Speed up sample transfers using the Thermo Scientific™ E1-ClipTip™ Equalizer pipette with adjustable tip spacing
- Connect E1-ClipTip electronic pipettes to your computer via Bluetooth and use the My Pipette Creator app to write, download and share protocols



## Reusable plastic labware

- Beakers
- Cylinders
- Erlenmeyer flasks
- Laboratory bottles
- Carboys
- Drop-dispensing bottles and wash bottles
- Tubing and tubing systems
- Wide range of resins and sizes
- Plastic labware is less likely to break or shatter than glass

# Laboratory plastics & liquid handling



## Reagent dispensers, automation tips and plates

- Thermo Scientific™ Multidrop™ Combi and Pico products enable precise, high-throughput dispensing
- A choice of models provides dispensing from 11 µL to 2500 µL
- Accommodates microplates from 6 to 1536 wells
- Easy to set up, use and maintain
- Thermo Scientific™ Automation Tips for liquid handling systems
- Sample processing plates in a range of formats, well shapes, well volumes and well bottoms that can be used in automated systems or manually



## Clinical consumables

- Petri dishes, tubes, and accessories for microbiology
- Polystyrene containers from 7 to 350 ml
- Polypropylene 30 ml universal containers
- Polypropylene Flip-Top vials, ideal for storing liquids and solids
- Transfer pipettes
- Drugs of abuse products
- Loops and spreaders
- Thermo Scientific™ Sterilin™ Dippas™ products
- Polystyrene urine tubes



## Filtration

- Filter units available with membrane types: PES, SFCA, Nylon and CN\*
- Bottle top filters available with membrane types: PES and SFCA\*
- Storage bottles
- Syringe filters: A wide range of membrane types available including SFCA, CA, nylon and PTFE\*
- Filter Membranes available with membrane types: Nylon and cellulose acetate
- Water quality membranes

**\*Membrane types:** PES (Polyethersulfone), SFCA (Surfactant-free cellulose acetate), CN (Cellulose Nitrate), PTFE (Polytetrafluoroethylene)

# Laboratory plastics & liquid handling



## Sample storage

### Collect

- Thermo Scientific™ Nalgene™ and Nunc™ Cryotubes
- Thermo Scientific™ Matrix™ 2D Barcoded Tubes
- Thermo Scientific™ Nunc™ and ABgene™ Storage Plates

### Seal:

- Automated and manual decapping systems
- Thermo Scientific™ SepraSeal™ Mats
- Thermo Scientific™ ALPS 5000 Automated Plate Heat Sealer
- Thermo Scientific ALPS 50V manual heat sealer

### Track:

- 2D Barcode readers

### Store:

- Cryoboxes and freezing containers
- Universal latch racks



## Packaging bottles and vials

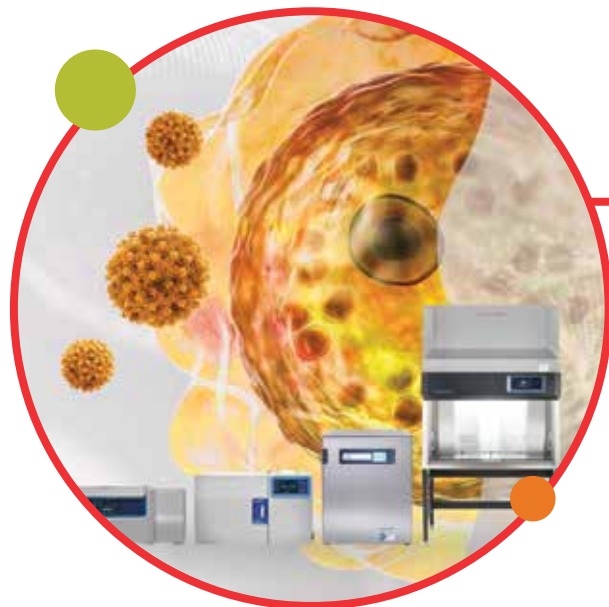
- Leakproof, high quality bottles, ranging in size from 0.5 ml up to 2,000 ml
- Available in a range of formats to suit your business
- Range of materials: a broad range of materials available including LDPE, HDPE and PET and autoclavable PPCO bottles, as well as pre-sterilised PET and PETG bottles
- Diagnostic bottles
- IP2 bottles
- Micro packaging vials
- Narrow and wide-mouth bottles
- Dropper bottles
- Square bottles
- Media bottles



## Immunoassay plates

- A wide range of high performance, cost-effective, immunoassay plates to fulfil ELISA kit requirements
- Providing maximum confidence in assay performance
- Most advanced and consistent binding capacity
- Specialised surface treatments specific for antibody or antigen detection
- Most diverse range of formats and styles available

# Spotlight on:



## 1 Cell & Gene Therapy

- Explore our laboratory products suitable for Cell and Gene Therapy applications
- Range of Thermo Scientific solutions to support your GMP and clean room needs for cell and gene therapy
- Explore options from CO<sub>2</sub> incubators and centrifuges to cold storage, biological safety cabinets, and beyond
- Innovations supported by high-quality materials, factory acceptance certification, and on-site compliance support.

Find out more at [thermofisher.com/ctslabequipment](https://thermofisher.com/ctslabequipment)

### Key featured products:



Thermo Scientific™ General Purpose Pro Centrifuge - CTS™ Series



Thermo Scientific™ Herasafe™ 2030i Biological Safety Cabinet CTS™ Series



Thermo Scientific™ Cleanroom CO<sub>2</sub> Incubators



Thermo Scientific™ Cryomed™ Controlled-Rate Freezer with OPC UA



Thermo Scientific™ Steri-Cult™ CO<sub>2</sub> incubator CTS™ Series

# Spotlight on:



## 2 Biobanking

- Discover our range of consumables and equipment for your next breakthrough
- Products and services that give you the power to secure and preserve your precious samples
- High quality innovative products including ultra-low temperature freezers, storage tubes, controlled-rate freezers, wireless monitoring solutions and many more

Find out more at [thermofisher.com/biobanking](https://thermofisher.com/biobanking)

### Key featured products:



Thermo Scientific™ TSX  
Ultra-Low Freezers



Thermo Scientific™  
CryoMed™ Controlled-Rate  
Freezer with OPC UA



Thermo Scientific™  
Smart-Vue™ Pro Wireless  
Monitoring System



Thermo Scientific™ Matrix™  
Tri-Coded Tubes



Thermo Scientific™ CryoExtra™  
High Efficiency Cryogenic  
Storage Systems (for -196 °C)

# Spotlight on:



## 3 Food and Beverage Quality Control

- Your brand and customers depend on the strength of your quality control data
- Our expertise in product applications reaches beyond our extensive range of innovative laboratory products
- We can support your quality analysis workflows, helping you to improve efficiency, reliability and obtain more accurate data
- Make the best process decisions for your customers and your brand, and take your Quality Control beyond the standard

Find out more at [thermofisher.com/foodandbeverageqc](https://thermofisher.com/foodandbeverageqc)

### Key featured products:



Thermo Scientific™ Nalgene™ Analytical Filters and Accessories



Thermo Scientific™ TSG Series General-Purpose Laboratory Refrigerators and Freezers



Thermo Scientific™ Orion Versa Star Pro™ and Orion Star™ A Series Benchtop Meters



Thermo Scientific™ Barnstead™ Smart2Pure™ Pro Water Purification System



Thermo Scientific™ Heratherm™ Microbiological Incubators

# Spotlight on:



## 4 Cell Culture

- Thermo Scientific laboratory equipment for cell culture offers market-leading technologies to improve productivity, comfort, efficiency and safety based on many years of experience, supporting your cell culture application from preparation to storage.
- Technologically advanced products to help keep your samples safe from contamination, protect your next discovery and help advance your research.
- Cutting-edge technology with touch screen user interfaces and connectivity options to advance your next discovery.
- Products that are reliable and built to last, in order for you to concentrate on your next discovery and help your lab work to flourish.
- Range of equipment options available to meet individual application needs helping to drive your next discovery.

Find out more at [thermofisher.com/safercells](https://thermofisher.com/safercells)

### Key featured products:



Thermo Scientific™ Herasafe™  
2025 Biological Safety Cabinets



Thermo Scientific™ Heracell™  
Vios™ CO<sub>2</sub> Incubators



Thermo Scientific™ TSX  
Ultra-Low Temperature Freezers



Thermo Scientific™ General  
Purpose Centrifuges



Thermo Scientific™ Solaris™  
Orbital Shakers



# Spotlight on:



## 5 Biotechnology

- From laboratory start up, through process development and clinical trials, we enable you to scale-up and reach your milestones quickly and efficiently
- Access a global network of experienced scientists, technical experts and service engineers
- Providing innovative, smart laboratory equipment and consumables designed to current regulatory standards
- Manage your funding with flexible ordering and financing channels to meet your specific requirements

Find out more at [thermofisher.com/biotech](https://thermofisher.com/biotech)

Lab design  
expertise

Technical  
experts  
and service  
engineers

SMART lab  
equipment and  
consumables

Customisable  
service and  
support

Flexible ordering  
and financing  
channels

# Services



## Fit-for-purpose service solutions for peak performance

When you invest in Thermo Scientific laboratory equipment, you not only benefit from top-quality product performance, you also enjoy peace of mind and maximum uptime with superior service solutions provided by Unity Lab Services, part of Thermo Fisher Scientific. Our customized service offerings and highly experienced service professionals provide the flexibility and expertise to address your lab's unique needs. We offer a complete portfolio of services and support designed to help you improve productivity, reduce total cost of ownership, and help ensure the performance of your laboratory equipment and workflows.

Uncover the Unity Lab Services advantage with our service and warranty offerings to fit the needs of your lab.

 Unity Lab Services [unitylabservices.com](https://www.unitylabservices.com)



## European technical support

Contact our technical support specialists to help you make the best use of our laboratory products:

- Laboratory equipment and consumables:  
[00800 1234 9696](tel:0080012349696) (free hotline) or [0049 6184 90 6321](tel:00496184906321)  
Monday to Friday, 8 am to 5 pm (CET)
- Laboratory plastics and liquid handling:  
[techsupport.labproducts.eu@thermofisher.com](mailto:techsupport.labproducts.eu@thermofisher.com)
- Laboratory equipment water and laboratory products:  
[techsupport.labequipment.eu@thermofisher.com](mailto:techsupport.labequipment.eu@thermofisher.com)



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