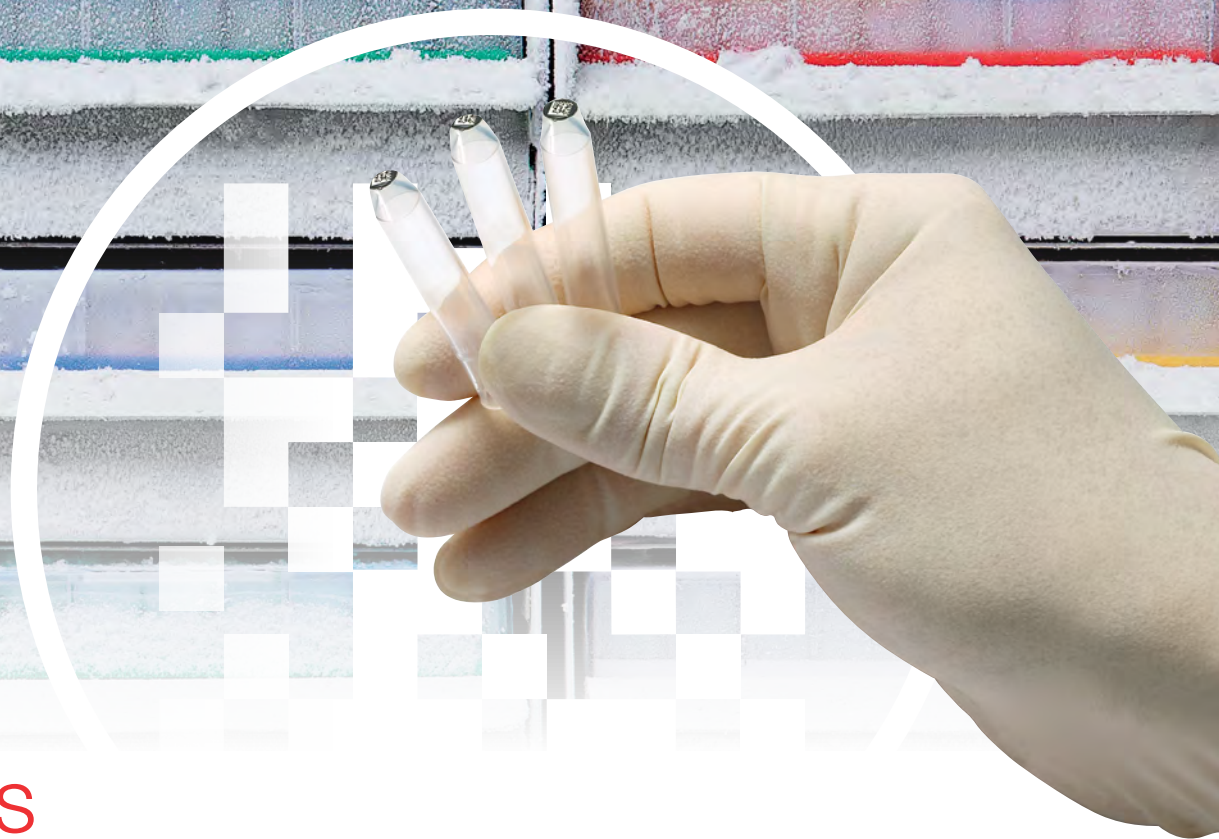


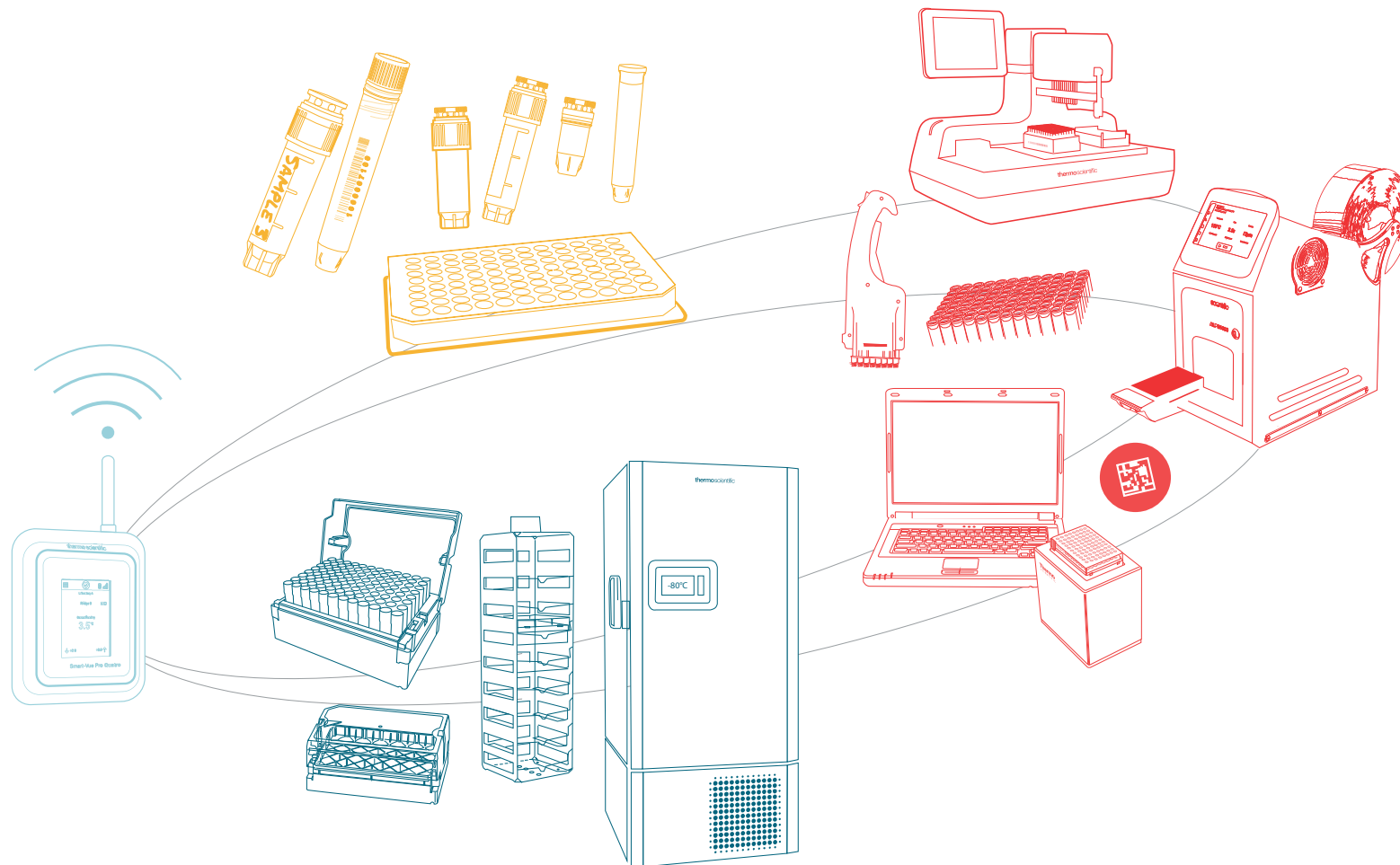
thermo scientific



Sample storage solutions

Thermo Scientific storage
equipment and consumables

ThermoFisher
SCIENTIFIC



1 Collect

- Cryogenic tubes
- 2D barcoded tubes
- Storage plates

2 Seal/Track

- Plate sealers
- Tube and vial cappers/decappers
- Barcode readers

3 Store

- Freezers, ultra-low freezers and cryo-preservation systems
- Racks

4 Monitor

- Wireless monitoring systems

Cryogenic tubes

Store samples from general cold storage to the vapor phase of liquid nitrogen with Thermo Scientific™ Nunc™ Biobanking and Cell Culture Cryogenic Tubes, available with either internal or external threads.

- Non-cytotoxic, non-mutagenic raw materials and pyrogen-free cryogenic tubes
- Certified SAL of 10^{-6}
- Bulk, uncapped, non-sterile versions available for less demanding applications



Barcoded tubes

Thermo Scientific™ Matrix™ 2D Barcoded Screw-top Storage Tubes are ideal for Biobanking applications at temperatures from -80°C to -196°C

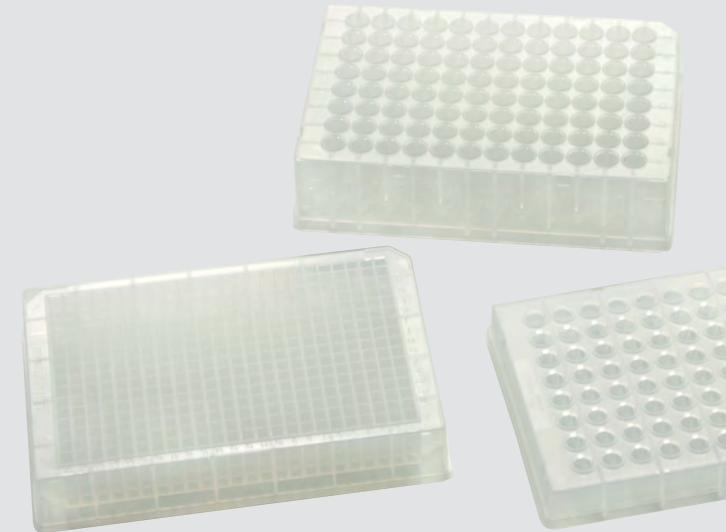
- Permanent 2D barcodes enable safe, secure tracking of samples
- Certified SAL of 10^{-3}
- Certified DNase-, RNase-, pyrogen-, and toxin-free
- Volumes from 200 μL to 5 mL
- 7 cap colours available for 0.5 mL and 1 mL sizes



Storage plates

Thermo Scientific™ ABgene™ Storage Plates are polypropylene plates with 48, 96 or 384 wells.

- Manufactured in our Class 100,000 clean room ISO 9001 conditions
- Certified DNase, RNase and human DNA free
- ANSI format for compatibility with automated systems
- Stable at temperatures -80°C to $+121^{\circ}\text{C}$
- Sealing options including adhesive/heat seals are available



Handheld capper/decapper

The 8-channel Thermo Scientific™ Handheld Capper and Decapper is a practical addition to benchtop processing of screw top storage tubes.

- Processes a full rack of Thermo Scientific™ Matrix™ or Nunc™ tubes in less than one minute
- Caps all tubes to the optimal torque level specified for the tube
- Light weight, easy-to-use and ergonomic design



Capper/decapper

Maintain sample integrity with a hands-free method of capping and decapping tubes quickly and easily with the Thermo Scientific™ Capit-All™ Screw Cap Tube Capper/Decapper.

- Ideal for integration into automated systems
- Cap and decap an entire rack at a time in approximately 10 seconds
- Suitable for 48-, and 96- format Thermo Scientific™ Matrix™ and Thermo Scientific™ Nunc™ Screw Top Tubes

Capper/decapper and barcode reader

Thermo Scientific™ Decapper 500 and Decapper 550 with Integrated Barcode Reader enable automated decapping and capping of Matrix and Nunc Screw Top Tubes in ANSI racks with Quick Switch Technology for medium-to-high throughput laboratories.

- Cap adaptors allow to cap/decap 96-, 48- or 24-format racks
- Built-in barcode reader
- Intuitive touchscreen interface



Plate sealers

The Thermo Scientific™ ALPS5000™ plate sealing equipment is the next generation in automated plate sealing because it offers increased sealing times, optimised process customisation, a significant reduction in energy consumption, and all electric operation which improves reliability and reduces noise.

- Seals up to 2 plates per minute in hand-fed, benchtop, or high throughput robotic applications
- Touchscreen control and parameter customisation
- Electrically driven with tool free loading
- Energy efficient and energy conscious



High speed barcode reader

The Thermo Scientific™ VisionMate™ High Speed 2D Barcode Reader is available with an attachable linear barcode reader which rapidly decodes full racks or single storage tubes.

- Rapidly reads racks of tubes in 24, 48, 96 and 384 formats without any user programming
- As benchtop or as part of an integrated robotic platform



Wireless reader

The Thermo Scientific™ VisionMate™ Wireless Reader enables sample identification and tracking with Bluetooth™ technology for 2D and 1D barcodes in the field, cold room or around the lab.

- Store over 600,000 codes in the internal memory
- Compatible with virtually any storage software application





Ultra-low temperature freezers

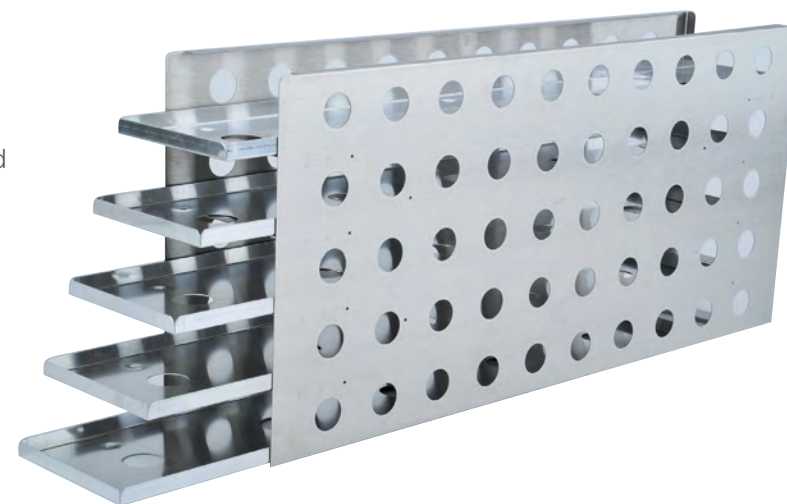
Thermo Scientific™ TSX Series Ultra-Low Temperature (ULT) Freezers are designed to meet the highest protection and sustainability standards for ultra-low storage. They offer low peak variation, excellent overall temperature uniformity and fast door opening recovery with low energy usage.

- Four capacities: 400, 500, 600 and 700 two-inch (5 cm) boxes
- Touchscreen user interface
- Whisper-quiet operation
- Long warm-up time from -50°C to -80°C: 5.05 hours
- 5 year standard warranty plus 7 additional years on V-drive compressors*

*Restrictions and exclusions apply. Warranty is void if the unit is not maintained as set forth in the operation and service manuals.

Freezer racks

Maximize the storage space in your ultra-low temperature freezer with Thermo Scientific™ Racks. Includes sliding drawer racks, adjustable side access box racks and microplate racks in standard or deepwell formats.





Universal latch racks

The Universal Latch Racks in microplate format (for 24, 48 or 96 tubes/rack) for traditional Thermo Scientific™ Nalgene™, Nunc™ or Matrix™ cryogenic tubes (externally or internally threaded) enable secure transport and storage. The ANSI standard format facilitates use in automated picking/placing, liquid handling and other high throughput applications.



Cryopreservation storage

Thermo Scientific™ Cryopreservation Equipment for storage and transport includes long-term storage solutions with liquid nitrogen offering outstanding temperature performance, low operating costs and integrated control features.

- Controlled-rate freezers for sample preparation
- Storage systems with auto-fill LN₂ or with manual-fill LN₂ dewars
- Transfer and shipping vessels for transportation



CryoExtra



CryoPlus



Locator

BioCane

Remote monitoring solution

The Thermo Scientific™ Smart-Vue™ Pro Remote Monitoring Solution is the next-generation system that is connected by a secure, long range, dedicated network and provides real-time 21 CFR compliant data logging and monitoring of critical parameters across your lab equipment.

Designed with simplicity, compliance and optimisation in mind, the system provides confidence that your one-of-a-kind patient samples are always at the proper temperature.

- Sample protection – instant alerts for out-of-range sample conditions
- Compliance – automatic and continuous data logging
- Asset/ cost optimization – can serve as part of your asset management strategy

unity lab services



unitylabservices.com

Instrument services for your laboratory: support plans, depot repair, and instrument compliance services.

Enterprise services: laboratory consulting services, asset management, supply management, and scientific support services.



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