

# Thermo Scientific Nunc Universal System Tubes

Internally-threaded 2.0mL tubes meet your critical sample storage needs

Thermo Scientific™ Nunc™ Internally-threaded 2.0mL Universal System Tubes are available racked or in bulk, non-coded or with 2D barcodes to serve every need. Part of the Universal System, this tube offers the best features of the Thermo Scientific storage tube portfolio: universal cap, universal latch rack, and free-standing tube design - all for either benchtop or automation use.



**Scalable.** The tubes and rack are ideal for both lower-throughput benchtop use and high-throughput automation use. Tubes feature graduations and a white patch for manual marking. The internal threads limit contamination. Higher throughput users benefit from 2D barcode tracking and the automation-friendly microplate footprint design. Tubes are automation-pickable in the Universal Latch Rack.

This versatile tube can serve low- and high-throughput applications at the same time, for biorepositories, clinics or other applications where tubes need to work both inside a large storage system, and in smaller scale when used for traditional cryostorage in dewars. IATA certification ensures that shipped samples will not leak.

**Innovative Universal Cap Design.** The screwtop storage tube cap features single-piece construction with a molded-in gasket that cannot be over-tightened manually or with automated capping tools. The thermoplastic elastomer material used for the gasket is compatible with storage at room temperature down to vapor phase of liquid nitrogen.

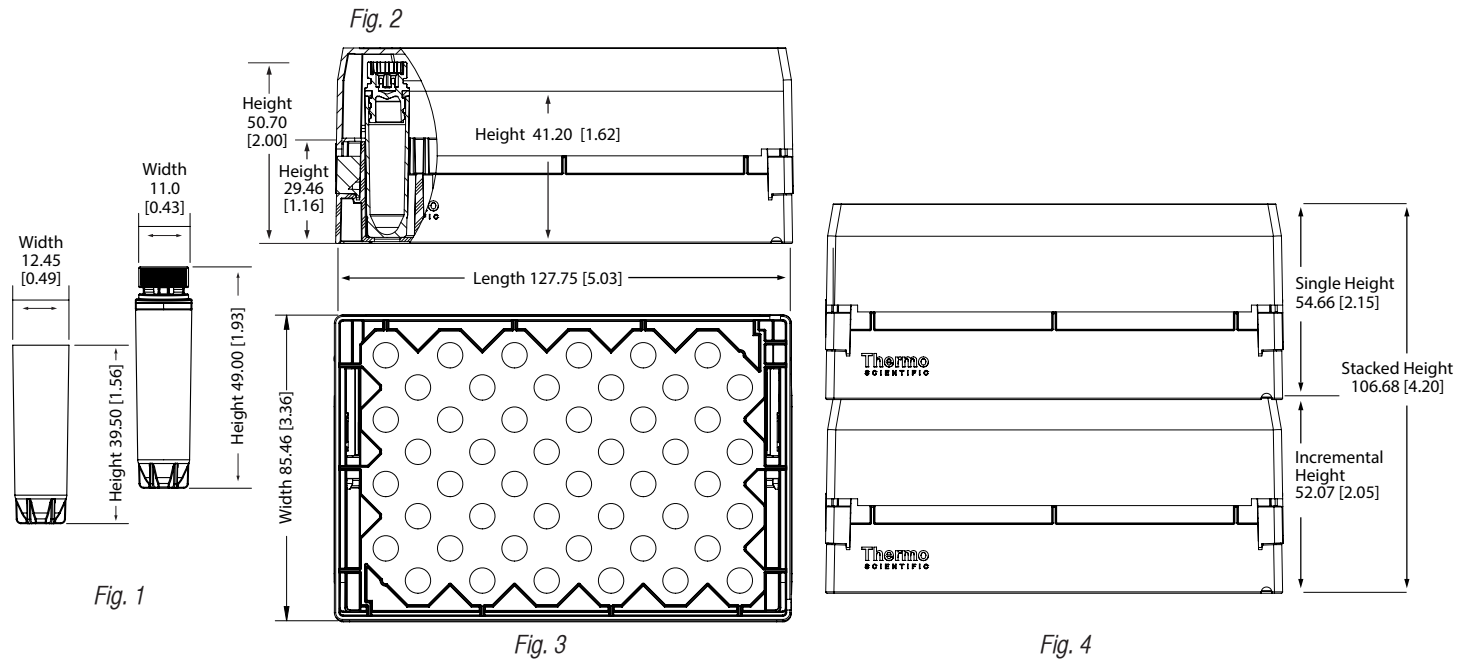
**Secure Tracking.** A permanently-bonded, unique 2D barcode is laser-etched onto the base of every Thermo Scientific 2D Tube to securely identify and track samples. Our Thermo Scientific 2D barcode readers instantly scan each tube's 2D barcode, registering the tube in any application or database, or integrate via several export options. Once sample data is stored, just scan the tube to access sample information and identify the contents.

**Stringent Quality Control.** Every tube has a Sterility Assurance Level of  $10^{-6}$  and is made with class VI medical grade resins. Every 2D barcoded storage tube is scanned at the factory to ensure readability. All barcodes are checked against our database of previously-assigned codes to prevent duplicates.

**Peace of Mind With Each Lot.** Nunc 2.0 mL Internally-threaded Universal Tubes are backed by the high quality production standards, customer service, and technical support that make Thermo Scientific the most trusted name in cryogenic storage.

## Specifications

Tube Material	Virgin Class VI Medical-grade Polypropylene
Rack Material	Polycarbonate with polypropylene latches
Cap Material	Virgin Class VI Medical-Grade Polypropylene with Thermoplastic Elastomer Gasket Material
Contaminant Free	All tubes and trays are supplied free from DNA, RNase, DNase, and endotoxins
Sterility	SAL of 10 <sup>-6</sup>
Shippable	IATA certified
2D code Choices	Non-proprietary, 12x12 Data-matrix with ECC200 Built-in Error Correction
Tube/Cap Temperature Range	-180°C to 121°C
Torque Requirements*	Maximum 0.12 Nm, Minimum 0.075



Cat. No.	Description	Barcoding	Marking	Tubes per Rack or Pack/Case
12590010	Nunc 2.0 mL Tube, Internal Thread Universal Tube in Universal Latch Rack	2D on tube bottom	White patch and Graduations	48/480
12590011	Nunc 2.0 mL Tube, Internal Thread Universal Tube in Universal Latch Rack	None	White patch and Graduations	48/480
12590012	Nunc 2.0 mL Tube, Internal Thread Universal Tube Bulk	2D on tube bottom	White patch and Graduations	48/480
12590013	Nunc 2.0 mL Tube, Internal Thread Universal Tube Bulk	None	White patch and Graduations	48/480
12590014	Universal Latch Rack for Nunc 2.0 mL Tube, Internal Thread	-	-	10 empty racks

\*Note this is "on" torque required for placing caps on tubes for optimal sealing and sample integrity protection. All Thermo Scientific decapping equipment suited for use with applicable tubes ensures the proper torque is applied when equipment is within the limits of the preventative maintenance schedules; consult applicable manuals for details on tube compatibility and preventative maintenance recommendations

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