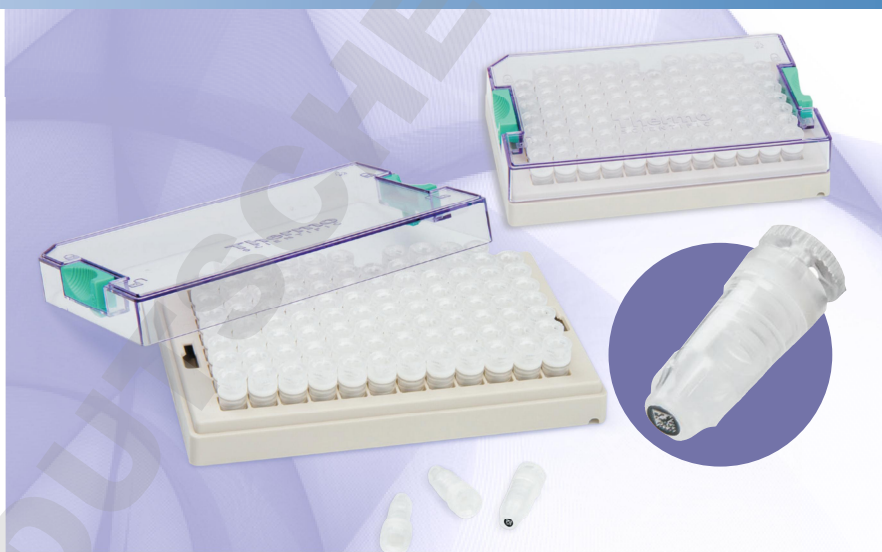


## Maximize Storage with Space Saving Tubes

Your solution for secure sample storage while maximizing capacity.

Thermo Scientific Matrix 200  $\mu$ L 2D Internally-threaded Universal Tubes are the perfect solution for secure sample storage while maximizing capacity in manual or automated storage systems. 200  $\mu$ L tubes can be utilized for storage in virtually any laboratory condition, from room temperature through the vapor phase of liquid nitrogen, while permanent 2D barcodes enable safe, secure tracking of valuable small-volume samples. Compatible with the complete line of Thermo Scientific 2D barcode readers, sample data can be integrated into existing database or tracking systems.



Space saving design allows maximum storage capacity. With a total height of less than 23mm, manual or automated storage capacity can be as much as doubled compared to higher volume tube options. Maximizing storage capacity allows improved utility of laboratory space and energy consumption.

Innovative cap design. The 200  $\mu$ L 2D Internally-threaded Universal 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 gasket material is compatible for storage at room temperature down to the vapor phase of liquid nitrogen.

Secure Tracking. A permanently-bonded, unique 2D barcode is laser-etched onto the base of every Thermo Scientific Matrix 2D Barcoded ScrewTop Storage Tube for secure identification and sample tracking. A Thermo Scientific 2D barcode reader

instantly decodes each tube's 2D barcode, scanning the tube into any application or database, or integrates via several export options. Once sample data is stored, just scan the tube to access sample information and identify the contents.

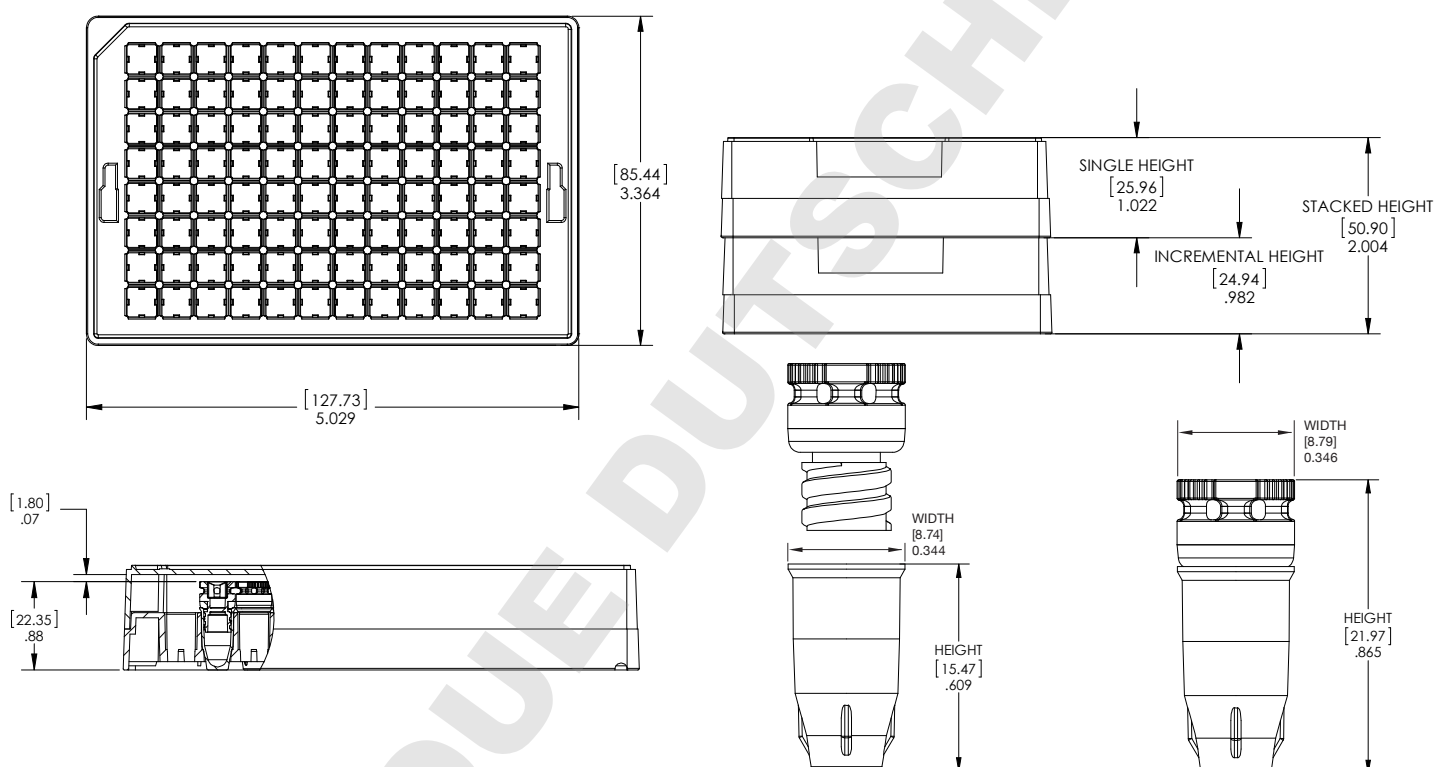
Stringent Quality Control. Every 2D barcoded storage tube is scanned to ensure readability. All barcodes are checked against our database of previously assigned codes to prevent duplicates. Every tube is leak tested to ensure sample integrity and security.

Knowledgeable Support. Our team has a strong reputation for supporting both equipment and consumables. Consult with us for recommendations to optimize sample storage processes.

**Thermo**  
SCIENTIFIC

## Specifications

Tube Material	Virgin Class VI Medical Grade Polypropylene
Rack Material	Polycarbonate with polypropylene latches
Cap Material	Virgin Class VI Medical Grade Polypropylene with TPV/ Santoprene Gasket Material
Contaminant Free	All tubes and trays are supplied free from DNA, RNase, DNase, and endotoxins
Sterility	10 <sup>-6</sup>
Autoclavable	Racked and unracked tubes are autoclavable with the caps loosened
2D code Choices	Non-proprietary, 12x12 Data-matrix with ECC200 Built-in Error Correction
Tube/ Cap Temperature Range	-180 °C to 121 °C; Autoclaving and boiling to vapor phase liquid nitrogen storage
Torque Requirements*	Maximum 0.09 Nm, Minimum 0.05 Nm



Cat. No.	Description
3747	Thermo Scientific Matrix 200 µL 2D Internally-threaded Universal Tubes, V bottom, w/ caps, Bulk, Sterile (1 bag of 480 tubes)
3748	Thermo Scientific Matrix 200 µL 2D Internally-threaded Universal Tubes, V bottom, w/ caps, racked, Sterile (5 racks/case)

\*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 compatible tubes ensures the proper torque is applied when equipment is within the limits of the preventative maintenance schedules; consult product manuals for details on tube compatibility and preventative maintenance recommendations

[thermoscientific.com](http://thermoscientific.com)

© 2012 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of ThermoFisher Scientific Inc. and its subsidiaries.

China Toll-free: 800-810-5118  
or 400-650-5118  
India: +91 22 6716 2200  
India Toll-free: 1 800 22 8374  
Japan: +81-3-5826-1616  
Other Asian countries: 65 68729717  
Austria: +43 1 801 40 0  
Belgium: +32 2 482 30 30  
Denmark: +45 4631 2000

France: +33 2 2803 2180  
Germany: +49 6184 90 6940  
Germany Toll-free: 08001-536 376  
Italy: +39 02 95059 552  
or 434-254-375  
Netherlands: +31 76 571 4440  
Nordic/Baltic countries: +358 9 329 10200  
Russia/CIS: +7 (812) 703 42 15  
Spain/Portugal: +34 93 223 09 18

Switzerland: +41 44 454 12 12  
UK/Ireland: +44 870 609 9203  
USA/Canada +1 585 586 8800  
USA Toll-free: 800 625 4327  
USA sales support: +1 585 899 7198  
Countries not listed: +49 6184 90 6940  
or +33 2 2803 2000