

## Thermo Scientific Matrix® 2D Barcoded 12 ml ScrewTop® Storage Tubes

Thermo Scientific Matrix 2D Barcoded 12 ml ScrewTop Storage Tubes are the perfect solution for large volume sample storage, including clinical samples, powders, tissue and plant materials. Permanent 2D barcodes enable safe, secure tracking of all your precious samples while Thermo Scientific 2D barcode readers allow simple integration into your existing database or tracking system.



**Secure Tracking.** A permanently-bonded, unique 2D barcode is laser-etched onto the base of every Thermo Scientific Matrix 2D Barcoded 12 ml ScrewTop Storage Tube to securely identify and track samples. Corresponding with a laboratory's throughput needs, Thermo Scientific 2D barcode readers instantly decode each tube's 2D barcode; scan the tube into any application or database, or integrate via several export options—the choice is yours. Once sample data is stored, just scan the tube using the database "find" feature to instantly access sample information and identify the contents of each storage tube.

**Superior Storage Format.** Unlike traditional storage tubes, our 2D Barcoded 12 ml ScrewTop storage tubes are available in 24 tube format in our specially-designed, stackable, microplate-footprint Latch Racks to save precious space in your freezer, refrigerator, compound store or on the bench top. Prevent tubes from spinning in the rack with the innovative rack base design and eliminate

contamination risk with a lid that never touches the bench top when open. The Latch Rack design also enables multichannel pipette access, including compatibility with Thermo Scientific Matrix Electronic EXP Pipettes.

**Stringent Quality Control.** Every 2D barcoded storage tube is scanned to ensure readability and each code is checked against a full database of previously assigned standard 2D codes to ensure zero duplicates across our entire line of 2D barcoded storage tubes. In addition, each lot of storage tubes is leak tested to ensure the integrity and security of samples.

**Knowledgeable Support.** Our team has a strong reputation for supporting both equipment and consumables and can demonstrate simple ways to improve efficiency and track samples in your laboratory using our entire range of Thermo Scientific 2D barcoded storage tubes and Thermo Scientific line of 2D barcode readers.

## Product Specifications

### Thermo Scientific Matrix 2D Barcoded 12 ml ScrewTop Storage Tubes

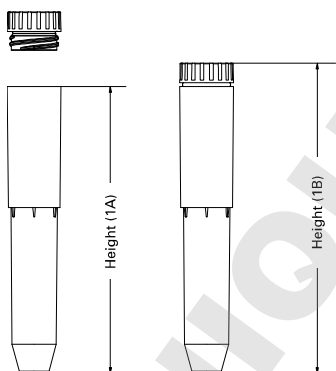
Tube Material	Polypropylene
Rack Material	Polycarbonate
Cap Material	Polypropylene with silicone o-ring
Working Tube Volume*	20 µl-13.5 ml
Maximum Tube Volume (Frozen)*	11.5 ml
Minimum Storage Temperature	-20 °C
Centrifugation Limits**	5,000 x gravity out of rack
Autoclavable	Yes, with cap loosened
2D Code Choices	Non-proprietary, 14x14 Data-matrix with ECC200 Built-in Error Correction

\* When stored upright in provided racks.

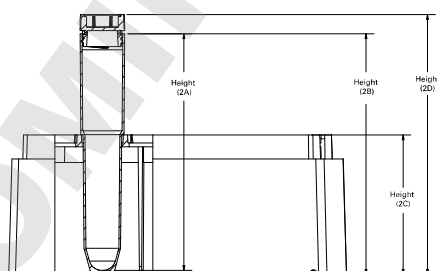
\*\* Tubes should be tested under individual laboratory conditions.

#### Dimensions

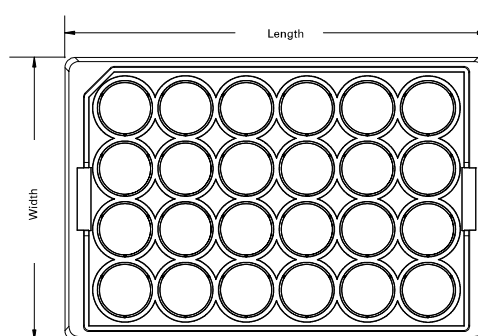
Description	12 ml 2D Storage Tubes	
<b>Item No.</b>	3775, 3778	
<b>Figure 1: Tube Side View</b>	Height (1A)	95.25±0.08 [3.750±0.003]
	Height (1B)	102.97±0.20 [4.054±0.008]
<b>Figure 2: Rack Side View</b>	Height (2A)	94.50±0.20 [3.720±0.008]
	Height (2B)	96.00±0.20 [3.780±0.008]
	Height (2C)	55.60±0.13 [2.190±0.005]
	Height (2D)	103.73±0.33 [4.084±0.130]
<b>Figure 3: Rack Top View</b>	Length	127.76±0.13 [5.030±0.005]
	Width	85.47±0.13 [3.365±0.005]
<b>Figure 4: Stacked Rack View</b>	Single Height (4A)	107.82±0.25 [4.245±0.010]
	Height (4B)	106.30±0.25 [4.185±0.010]
	Stacked Height (4C)	214.12±0.51 [8.430±0.020]



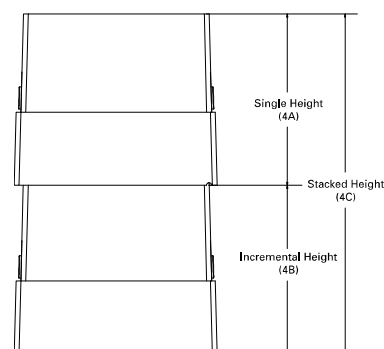
▲ Figure 1: Tube Side View



▲ Figure 2: Rack Side View



▲ Figure 3: Rack Top View



▲ Figure 4: Stacked Rack View

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