

Thermo Scientific Matrix 2D Barcoded Storage Tubes

Thermo Scientific Matrix 2D Barcoded Storage Tubes are available in volumes ranging from 500 μ l to 1.4 ml, all in compact yet robust Latch Rack design. Permanent 2D barcodes enable safe, secure identification and tracking of samples while our Thermo Scientific VisionMate 2D barcode readers allow simple decoding and integration into spreadsheets, databases and existing tracking systems.



Several sealing options are available including the Thermo Scientific Matrix line of CapMats and CapStrips for sealing multiple tubes and the Thermo Scientific Matrix SepraSeal and DuraSeal capping systems for individual tube sealing, access and piercing. Applied with the Thermo Scientific SuperSealer, sealing is secure and consistent every time.



Secure Tracking. A permanently-bonded, unique 2D barcode is laser-etched onto the base of every Thermo Scientific Matrix 2D barcoded storage tube to securely identify and track samples. Corresponding with a laboratory's throughput needs, VisionMate[®] 2D barcode readers instantly decode each tube's 2D barcode; scan the tube into any application or database, or integrate via ActiveX technology—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 Rack Design. Unlike traditional storage tubes or blocks, Matrix[®] 2D barcoded storage tubes are available in our specially-designed, stackable, microplate-footprint Latch Racks to save precious space in your freezer, refrigerator, compound store or on the bench top. The Latch Rack design enables multichannel pipette access and eliminates

contamination risk with a lid that never touches the bench top when open. The Latch Rack is also compatible with automated liquid handling, as the lid can be lifted robotically for high-throughput applications.

Stringent Quality Control. Every 2D barcoded storage tube is scanned to guarantee readability and each code is checked against a full database of all previously assigned 2D codes to ensure zero duplicates across the entire line of Matrix 2D barcoded storage tubes. In addition, every storage tube 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 sample management in your laboratory using Matrix 2D barcoded storage tubes coupled with the VisionMate line of 2D barcode readers.

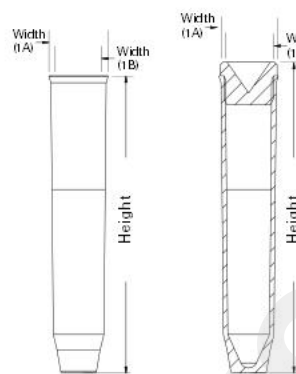
Product Specifications

Thermo Scientific Matrix 2D Barcoded Storage Tubes

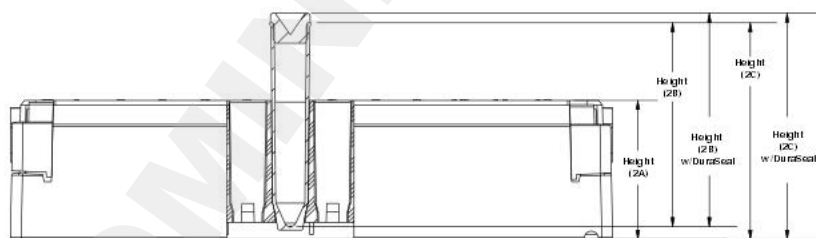
Tube Material	Polypropylene
Rack Material	Polypropylene
Autoclavable	Yes
2D Code Choices	Non-proprietary, 12x12 Data-matrix with ECC200 Built-in Error Correction

Dimensions

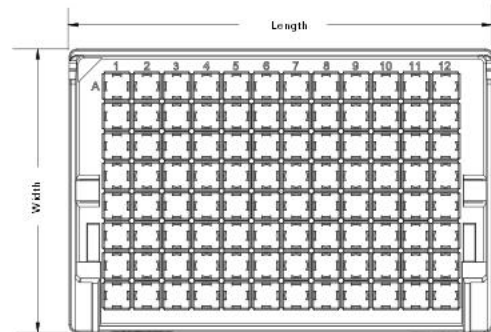
Description	500 µl Storage Tubes	500 µl Storage Tubes w/ DuraSeal [®]	0.75 ml Storage Tubes	0.75 ml Storage Tubes w/ DuraSeal	1.4 ml Storage Tubes	1.4 ml Storage Tubes w/ DuraSeal	1.4 ml Storage Tubes w/ Human Readable Code
Item No.	3734, 3735, 4898	3736, 3737, 4899	3731, 3732, 4896	3729, 4896	3791, 3792, 4890	3801, 4890	3711, 3112, 4890
Figure 1: Tube Side View	Width (1A)	8.74 ± 0.08 [0.344 ± 0.003]	8.74 ± 0.08 [0.344 ± 0.003]	8.74 ± 0.08 [0.344 ± 0.003]	8.74 ± 0.08 [0.344 ± 0.003]	8.74 ± 0.08 [0.344 ± 0.003]	8.74 ± 0.08 [0.344 ± 0.003]
	Width (1B)	6.83 ± 0.05 [0.269 ± 0.002]	6.83 ± 0.05 [0.269 ± 0.002]	6.83 ± 0.05 [0.269 ± 0.002]	6.83 ± 0.05 [0.269 ± 0.002]	6.83 ± 0.05 [0.269 ± 0.002]	6.83 ± 0.05 [0.269 ± 0.002]
	Height	21.38 ± 0.08 [0.842 ± 0.003]	23.38 ± 0.20 [0.921 ± 0.008]	33.60 ± 0.08 [1.323 ± 0.003]	35.62 ± 0.20 [1.402 ± 0.008]	43.99 ± 0.08 [1.732 ± 0.003]	46.01 ± 0.20 [1.811 ± 0.008]
Figure 2: Rack Side View	Height (2A)	14.22 ± 0.13 [0.560 ± 0.005]	14.22 ± 0.13 [0.560 ± 0.005]	29.46 ± 0.13 [1.160 ± 0.005]	29.46 ± 0.13 [1.160 ± 0.005]	29.46 ± 0.13 [1.160 ± 0.005]	29.46 ± 0.13 [1.160 ± 0.005]
	Height (2B)	20.929 ± 0.08 [0.824 ± 0.003]	20.929 ± 0.08 [0.824 ± 0.003]	32.94 ± 0.08 [1.293 ± 0.003]	32.94 ± 0.08 [1.293 ± 0.003]	43.231 ± 0.08 [1.702 ± 0.003]	43.231 ± 0.08 [1.702 ± 0.003]
	Height (2C)	22.07 ± 0.20 [0.869 ± 0.008]	24.08 ± 0.33 [0.948 ± 0.013]	35.56 ± 0.20 [1.400 ± 0.008]	37.57 ± 0.33 [1.479 ± 0.013]	45.95 ± 0.20 [1.809 ± 0.008]	47.96 ± 0.01 [1.888 ± 0.001]
Figure 3: Rack Top View	Length	127.76 ± 0.13 [5.030 ± 0.005]	127.76 ± 0.13 [5.030 ± 0.005]	127.76 ± 0.13 [5.030 ± 0.005]	127.76 ± 0.13 [5.030 ± 0.005]	127.76 ± 0.13 [5.030 ± 0.005]	127.76 ± 0.13 [5.030 ± 0.005]
	Width	85.47 ± 0.13 [3.365 ± 0.005]	85.47 ± 0.13 [3.365 ± 0.005]	85.47 ± 0.13 [3.365 ± 0.005]	85.47 ± 0.13 [3.365 ± 0.005]	85.47 ± 0.13 [3.365 ± 0.005]	85.47 ± 0.13 [3.365 ± 0.005]
Figure 4: Stacked Rack View	Single Height (4A)	25.96 ± 0.25 [1.022 ± 0.010]	27.48 ± 0.25 [1.082 ± 0.010]	39.37 ± 0.25 [1.550 ± 0.010]	39.37 ± 0.25 [1.550 ± 0.010]	49.84 ± 0.25 [1.962 ± 0.010]	49.84 ± 0.25 [1.962 ± 0.010]
	Incremental Height (4B)	22.61 ± 0.10 [0.890 ± 0.250]	26.42 ± 0.25 [1.040 ± 0.010]	38.36 ± 0.25 [1.510 ± 0.010]	38.36 ± 0.25 [1.510 ± 0.010]	48.82 ± 0.25 [1.922 ± 0.010]	48.82 ± 0.25 [1.922 ± 0.010]
	Stacked Height (4C)	48.56 ± 0.51 [1.912 ± 0.020]	53.90 ± 0.51 [2.122 ± 0.020]	77.73 ± 0.51 [3.060 ± 0.020]	77.73 ± 0.51 [3.060 ± 0.020]	98.65 ± 0.51 [3.894 ± 0.020]	98.65 ± 0.51 [3.894 ± 0.020]
	Height (4D)	48.56 ± 0.51 [1.912 ± 0.020]	53.90 ± 0.51 [2.122 ± 0.020]	77.73 ± 0.51 [3.060 ± 0.020]	77.73 ± 0.51 [3.060 ± 0.020]	98.65 ± 0.51 [3.894 ± 0.020]	98.65 ± 0.51 [3.894 ± 0.020]



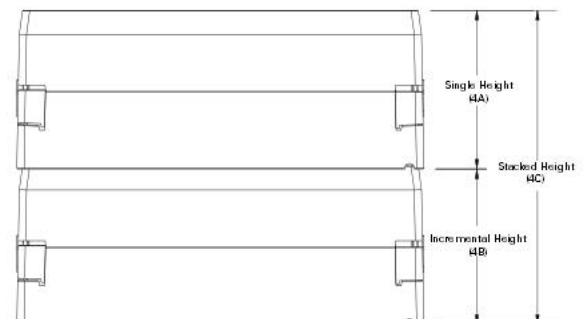
▲ Figure 1: Tube Side View



▲ Figure 2: Rack Side View



▲ Figure 3: Rack Top View



▲ Figure 4: Stacked Rack View

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Rev A

