

Thermo Scientific Matrix Open-top 2D Barcoded Tubes

sealing flexibility to suit your applications

The Thermo Scientific™ Matrix™ 2D Barcoded Storage Tubes are available in volumes ranging from 500 µL to 1.4 µL all in our 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 rapid decoding and integration with databases, such as Thermo Scientific™ VisionTracker™ Software, and other laboratory information management systems in use.



**Thermo Scientific
SampleSeal Heat Sealer**
Applies a foil seal to a rack
of tubes in 60 seconds

Secure Tracking. A permanent, unique 2D barcode is laser-etched onto the base of every Matrix 2D barcoded storage tube to securely identify and track samples. Thermo Scientific VisionMate 2D barcode readers instantly decode each tube's 2D barcode and can be integrated with a range of applications or database systems, such as Thermo Scientific VisionTracker software, for seamless sample traceability at any throughput level.

Superior Storage Rack Design. Unlike traditional storage tubes or cryoboxes, Matrix 2D barcoded storage tubes are available in a specially-designed, stackable, automation-friendly microplate-footprint latch racks to save precious space in your freezer, refrigerator, automated 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 complete offering of Thermo Scientific 2D barcoded tubes is compatible with freezer rack options that work in conjunction with the Thermo Scientific cold storage portfolio. The result is the most efficient and organized use of storage space in your laboratory.

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 code 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.

Multiple Sealing Options. The Matrix range of 2D barcoded storage tubes is compatible with a range of sealing options to meet short- and long-term storage requirements and materials. Thermo Scientific™ SeptraSeal™ and DuraSeal™ septum seals are available in a range of colors and can be easily inserted into open top style tubes by manual application or with the use of the Thermo Scientific™ SuperSealer™. Matrix 2D barcoded tubes can also be robustly sealed with the Thermo Scientific™ SampleSeal™ Heat Sealer for pierceable individual seals, which are ideal for sample transportation or short and long term storage.

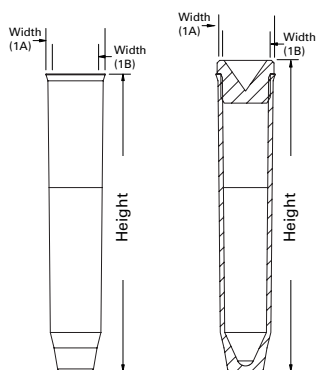
Thermo
SCIENTIFIC

Thermo Scientific Matrix 2D Barcoded Storage Tubes

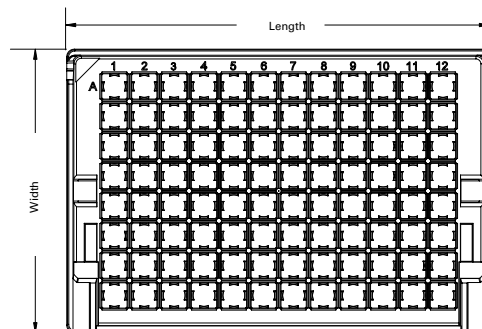
Tube Material	Polypropylene
Rack Material	Polycarbonate
Autoclavable	Yes
2D Code Choices	Non-proprietary, 12x12 Data-matrix with ECC200 Built-in Error Correction
Compatible Seals	SepraSeals; DuraSeals; SampleSeal Applied Foil Seals

Dimensions

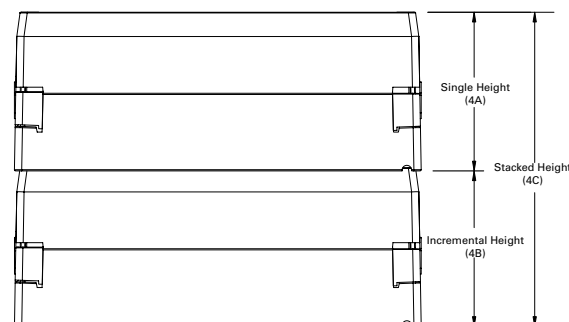
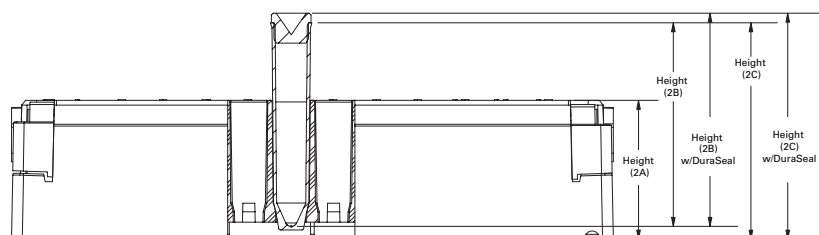
Description		500 µl Storage Tubes	500 µl Storage Tubes w/ DuraSeal	0.75 ml Storage Tubes	0.75 ml Storage Tubes w/DuraSeal	1.4 ml Storage Tubes	1.4 ml Storage Tubes w/ DuraSeal	1.4 ml Storage Tubes w/Human Readable Code
Item No.		3734, 3735, 4894	3736, 3737, 4899	3731, 3732, 4896	3729, 4896	3791, 3792, 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]	8.74±0.08 [0.344±0.003]
	Width (1B)	6.83±0.05 [0.269±0.002]	6.83±0.05 [0.332±0.005]	6.83±0.05 [0.269±0.002]	6.83±0.05 [0.332±0.005]	6.83±0.05 [0.269±0.002]	6.83±0.05 [0.332±0.005]	6.83±0.05 [0.269±0.002]
	Height	21.38±0.08 [0.842±0.003]	23.39±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]	43.99±0.08 [1.732±0.003]
Figure 2: Rack Side View	Height 2(A)	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]	29.46±0.13 [1.160±0.005]
	Height 2(B)	20.929±0.08 [0.824±0.003]	20.929±0.08 [0.824±0.003]	32.84±0.08 [1.293±0.003]	32.84±0.08 [1.293±0.003]	43.231±0.08 [1.702±0.003]	43.231±0.08 [1.702±0.003]	43.332±0.20 [1.710±0.10]
	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]	45.949±0.20 [1.810±0.10]
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]	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]	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 [1.510±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]	49.84±0.25 [1.962±0.010]
	Incremental Height (4B)	22.61±0.010 [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]	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 [3.884±0.020]	98.65±0.51 [3.884±0.020]	98.65±0.51 [3.884±0.020]



▲ Figure1: Tube Side View



▲ Figure 3: Rack Top View



thermoscientific.com/samplestorage

© 2014 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher 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

Thermo
SCIENTIFIC

Part of Thermo Fisher Scientific