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2D-Coded Tubes, External Thread

0.2ml 2D-coded Tube, 96-format, External Thread



67-0203-01 | 0.2ml 2D-coded Tube, 96-format, External Thread, Capped

Azenta Life Sciences 2D coded tubes provide a lifelong and secure chain of custody for samples in biobanks, compound libraries and a broad range of biological and chemical stores, including cryogenic storage. Unique profile allows for storage in higher density than typical 96 way tubes when using specific racks.

- Code readable without removing tubes from racks
- Suitable for cryogenic storage
- Made from high-quality virgin PP
- Available in 96-well format SBS racks or bulk
- Sealable with screw caps

Overview

Designed and developed with broad compatibility in mind, the tubes perform without compromise in conjunction with automated barcode reading, capping and sample management systems from Azenta Life Sciences and all other industry-recognized manufacturers. Provides a lifelong and secure chain of custody for samples in biobanks, compound libraries and a broad range of biological and chemical stores, including cryogenic storage.

Each tube carries a unique and permanent high-contrast 2D code tube identifier on the base of the tube readable in frost or condensation conditions, or when damaged. Manufactured from high-quality virgin polypropylene.

Key Features

- **Secure Sample Storage & Tracking**

- Permanently laser etched 2D code on base, ensuring a permanent link between sample and data
- 2D codes readable without removing tubes from racks
- High contrast 2D codes are more reliably readable in frost or condensation conditions
- 100% quality control, each tube is tested to ensure both readability and uniqueness
- Leak tested to ensure sample security
- External thread tubes provide greater working volume than internal thread tubes
- Suitable for sealing with screw caps
- Suitable for cryogenic storage*

**Not for use in liquid phase nitrogen*

- **Capping Options**

Screw caps

- A deforming compression seal more effective than a silicone alternative
- A non-silicone seal means the cap can never be over-tightened
- Caps and tubes are manufactured from the same material, preventing differential expansion during freeze-thaw cycles
- A double-start thread engages in a maximum rotation of 180°, thereby facilitating automation

- **Racking Options**

- TwistLock: prevents tubes rotating within the rack to enable automated capping and de-capping of screw caps; provided as standard with the option available to remove
- TubeLock: prevents tubes from falling out, even in lidless racks; useful in manual workflows; activate by applying pressure on the tube top, clicking it into place; tubes can be ordered pre-locked or non-locked
- LidLock: enables racks to withstand a 1m drop test for added sample security
- Automatic rack orientation: a unique 2D code rack identifier readable at the same time as the tube 2D code; for automatic rack orientation and secure sample tracking
- Direct laser etching: a cutout window on the rack sides allow the linear barcode to be read more easily; linear barcodes can be laser etched directly onto racks

Specifications

Parameter	0.2ml 2D-coded Tube, 96-format, External Thread (with screw cap)
Max. working volume	0.2ml
Tube height	24.1mm
Tube height with cap	27.5mm
Inner diameter	3.9mm

Outer diameter with cap	5.8mm
Center to center	9.0mm
Minimum temperature	-196°C
Tube height in rack	28.0mm
Overall rack height (including lid)	31.0mm

Ordering Information

Use these part numbers to request a quote, a sample or to contact an expert:

Part number	Description
0.2ml 2D-coded Tube, 96-format, External Thread 2D code on base	
67-0203-01	uncapped, bulk; 960 tubes
67-0203-02	uncapped, racked (67-0203-00); 10 racks/960 tubes
67-0203-10	capped, bulk; 960 tubes
67-0203-11	capped, racked (67-0203-00); 10 racks/960 tubes
0.2ml 2D-coded Tube, 240-format, External Thread 2D code on base	
67-0202-01	uncapped, bulk; 2,400 tubes
67-0202-02	uncapped, racked (67-0200-00); 10 racks/2,400 tubes
67-0202-10	capped, bulk; 2,400 tubes
67-0202-11	capped, racked (67-0200-00); 10 racks/2,400 tubes
Compatible racks	

67-0200-00	240-Format Rack ; 10 racks
67-0203-00	96-Format Rack ; 10 racks
Compatible caps	
67-0202-50	External Thread Screw Cap , 240-format, bulk; 2,400 caps

1.8ml 2D-coded Tube, 48-format, External Thread



65-7501-01 | 1.8ml 2D-coded Tube, 48-format, External Thread, Capped

Azenta Life Sciences 2D coded tubes provide a lifelong and secure chain of custody for samples in biobanks, compound libraries and a broad range of biological and chemical stores, including cryogenic storage

- Code readable without removing tubes from racks
- Suitable for cryogenic storage
- Made from high-quality virgin PP
- Available bulk
- Sealable with auto friendly screw caps

Overview

Designed and developed with broad compatibility in mind, the tubes perform without compromise in conjunction with automated barcode reading, capping and sample management systems from Azenta Life Sciences and all other industry-recognized manufacturers. Provides a lifelong and secure chain of custody for samples in biobanks, compound libraries and a broad range of biological and chemical stores, including cryogenic storage.

Each tube carries a unique and permanent high-contrast 2D code tube identifier on the base of the tube readable in frost or condensation conditions, or when damaged. Manufactured from high-quality virgin polypropylene.

Key Features

- **Secure Sample Storage & Tracking**

- Permanently laser etched 2D code on base, ensuring a permanent link between sample and data
- 2D codes readable without removing tubes from racks
- High contrast 2D codes are more reliably readable in frost or condensation conditions
- 100% quality control, each tube is tested to ensure both readability and uniqueness
- Leak tested to ensure sample security
- External thread tubes provide greater working volume than internal thread tubes
- Suitable for sealing with automation friendly screw caps
- Suitable for cryogenic storage*

**Not for use in liquid phase nitrogen*

- **Capping Options**

Screw caps

- Automation friendly screw caps provide flexibility to use tubes across a range of industry-recognized automated tube handling platforms
- A deforming compression seal more effective than a silicone alternative
- A non-silicone seal means the cap can never be over-tightened
- Caps and tubes are manufactured from the same material, preventing differential expansion during freeze-thaw cycles
- A double-start thread engages in a maximum rotation of 180°, thereby facilitating automation

- **Racking Options**

48 format SBS racks

- TwistLock: prevents tubes rotating within the rack to enable automated capping and de-capping of screw caps; provided as standard with the option available to remove
- TubeLock: prevents tubes from falling out, even in lidless racks; useful in manual workflows; activate by applying pressure on the tube top, clicking it into place; tubes can be ordered pre-locked or non-locked
- LidLock: enables racks to withstand a 1m drop test for added sample security
- Automatic rack orientation: a unique 2D code rack identifier readable at the same time as the tube 2D code; for automatic rack orientation and secure sample tracking
- Direct laser etching: a cutout window on the rack sides allow the linear barcode to be read more easily; linear barcodes can be laser etched directly onto racks

Cryo racks

- 136.2mm x 136.2mm PC or PP cryobox rack option available for cryogenic sample storage, holding 81 tubes in 9x9 array
- Open bottom for 2D code decoding on Azenta Life Sciences Camera-Based Full Rack Barcode Readers
- Can be supplied with a unique 2D code identifier which can be read at the same time as the tube 2D code, for more secure sample tracking

Specifications

Parameter	1.8ml 2D-coded Tube, 48-format, External Thread (with screw cap)
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Max. working volume	1.8ml
Tube height	40.0mm
Tube height with cap	47.1mm
Inner diameter	9.8mm
Outer diameter with cap	13.1mm
Center to center	13.5mm
Minimum temperature	-196°C
Tube height in rack	45.0mm
Overall rack height (including lid)	56.0mm

Ordering Information

Use these part numbers to request a quote, a sample or to contact an expert:

Part number	Description
1.8ml 2D-coded Tube, 48-format, External Thread 2D code on base	
65-7501-01	capped, bulk; 100 tubes
Compatible racks	
65-9452	48-Format Rack, 2 Piece Rack Base , with open bottom for reading on our range of rack readers; 10 racks
65-9458	48-Format Rack, 1 Piece Rack Base , with open bottom for reading on our range of rack readers; 10 racks
65-1700	Cryo Rack 9x9 , white, PP; 10 racks
66-1802	Cryo Rack 9x9 , black, PC; 10 racks

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