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Dual-Coded Tubes, External Thread

0.26ml Dual-coded Tube, 96-format, External Thread



68-0303-10 | 0.26ml Dual-coded Tube, 96-format, External Thread, Capped | 2D Code & HRN Detail

Azenta Life Sciences dual-coded tubes offer unequaled sample audit traceability, enabling sample tracking and data sharing between multiple users, labs, locations and automation capabilities

- Next Generation manufacturing techniques
- 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/TPE septum caps

Overview

Offers unequaled sample audit traceability, enabling sample tracking and data sharing between multiple users, labs, locations and automation capabilities. 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. Developed to exceed the demands of sample security, management and tracking in modern high density storage applications.

Each tube features a permanent 2D code laser etched in high contrast on the tube base, a permanent 1D linear barcode and human-readable number laser etched in high-contrast on the tube side. All three codes are identical and auditing processes guarantee all three codes match; standard 2D coding option is black on white.

Key Features

- **Secure Sample Storage & Tracking**

- Permanently laser etched 2D code on base, 2D code and human readable number on the side, 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 or TPE septum 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

TPE septum caps

- A cost effective sealing option for samples that are only accessed occasionally
- Septum caps are supplied in 96-format back mats to facilitate automation

- **Racking Options**

96 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

Specifications

Parameter	0.26ml Dual-coded Tube, 96-format, External Thread (with screw cap)	0.26ml Dual-coded Tube, 96-format, External Thread (with septum cap)
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Max. working volume	0.26ml	0.23ml
Tube height	15.2mm	15.2mm
Tube height with cap	18.6mm	16.4mm
Inner diameter	6.5mm	6.5mm
Outer diameter with cap	8.7mm	8.7mm
Center to center	9.0mm	9.0mm
Minimum temperature	-196°C	-80°C
Tube height in rack	19.13mm	15.73mm
Overall rack height	22mm	22mm

Ordering Information

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

Part number	Description
0.26ml Dual-coded Tube, 96-format, External Thread 2D code on base, 2D code and human readable number on side	
68-0303-00	uncapped, bulk; 960 tubes
68-0303-01	uncapped, racked (68-0300-20); 10 racks/960 tubes
68-0303-10	capped, bulk; 960 tubes
68-0303-11 BUY ONLINE*	capped, racked (68-0300-20); 10 racks/960 tubes
0.26ml 2D-coded Tube, 96-format, External Thread** 2D code on base	
68-0301-00	uncapped, bulk; 960 tubes

68-0301-01	uncapped, racked (68-0300-20); 10 racks/960 tubes
68-0301-10	capped, bulk; 960 tubes
68-0301-11 BUY ONLINE*	capped, racked (68-0300-20); 10 racks/960 tubes
Compatible racks	
68-0300-20	96-Format, LowBase Rack ; 10 racks

**Online availability to US only*

***Available only on request*

0.5ml Dual-coded Tube, 96-format, External Thread



68-0701-10 | 0.5ml Dual-coded Tube, 96-format, External Thread, Capped

Azenta Life Sciences dual-coded tubes feature a 2D code and human readable number on tube base, allowing compatibility with low throughput manual, semi-automated or fully automated workflows on integrated platforms

- Next Generation manufacturing techniques
- 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 TPE/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.

Developed to exceed the demands of sample security, management and tracking in modern high density storage applications. Each tube features a permanently laser etched 2D code and human readable number on tube base, allowing compatibility with low throughput manual, semi-automated or fully automated workflows on integrated platforms.

Key Features

- **Secure Sample Storage & Tracking**

- Permanently laser etched 2D code on base and human readable number on the 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 or TPE septum 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
- Deforming compression seal is more effective than a silicone alternative
- Cap and tube manufactured from the same material, preventing differential expansion during freeze-thaw cycles
- Double start thread engages in a maximum rotation of 180°, facilitating automation
- Non-silicone seal means the cap can never be overtightened

TPE septum caps

- A cost effective sealing option for samples that are only accessed occasionally
- Septum caps are supplied in 96-format back mats to facilitate automation

- **Racking Options**

96 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 cryobox rack option available for cryogenic sample storage, holding 196 tubes in 14x14 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	0.5ml Dual-coded Tube, 96-format, External Thread (with auto friendly screw cap)
Max. working volume	0.55ml
Tube height	26.4mm
Tube height with cap	29.8mm
Inner diameter	6.5mm
Outer diameter with cap	8.5mm
Center to center	9.0mm
Minimum temperature	-196°C
Tube height in rack	30.0mm
Overall rack height (including lid)	33.1mm

Ordering Information

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

Part number	Description
0.5ml Dual-coded Tube, 96-format, External Thread 2D code and human readable number on base	
68-0701-00	uncapped, bulk; 960 tubes
68-0701-01	uncapped, racked (66-51004); 10 racks/960 tubes
68-0701-02	uncapped, racked (66-51026); 10 racks/960 tubes

68-0701-10	capped, bulk; 960 tubes
68-0701-11	capped, racked (66-51004); 10 racks/960 tubes
68-0701-12	capped, racked (66-51026); 10 racks/960 tubes
Compatible racks	
66-51004	96-Format, LowBase Rack ; 10 racks
66-51026 BUY ONLINE*	96-Format, HighBase Rack ; 10 racks
66-0196-01	Cryo Rack 14x14 , black, PC; 10 racks

**Online availability to US only*

0.9ml Dual-coded Tube, 96-format, External Thread



68-1001-10 | 0.9ml Dual-coded Tube, 96-format, External Thread, Capped

Azenta Life Sciences dual-coded tubes feature a 2D code and human readable number on tube base, allowing compatibility with low throughput manual, semi-automated or fully automated workflows on integrated platforms

- Next Generation manufacturing techniques
- 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 TPE/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.

Developed to exceed the demands of sample security, management and tracking in modern high density storage applications. Each tube features a permanently laser etched 2D code and human readable number on tube base, allowing compatibility with low throughput manual, semi-automated or fully automated workflows on integrated platforms.

Key Features

- **Secure Sample Storage & Tracking**

- Permanently laser etched 2D code on base and human readable number on the 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 either screw caps or TPE septum 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
- Deforming compression seal is more effective than a silicone alternative
- Cap and tube manufactured from the same material, preventing differential expansion during freeze-thaw cycles
- Double start thread engages in a maximum rotation of 180°, facilitating automation
- Non-silicone seal means the cap can never be overtightened

TPE septum caps

- A cost effective sealing option for samples that are only accessed occasionally
- Septum caps are supplied in 96-format back mats to facilitate automation

- **Racking Options**

96 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 cryobox rack option available for cryogenic sample storage, holding 196 tubes in 14x14 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	0.9ml Dual-coded Tube, 96-format, External Thread (with auto friendly cap)
Max. working volume	0.9ml
Tube height	42.3mm
Tube height with cap	45.7mm
Inner diameter	6.5mm
Outer diameter with cap	8.7mm
Center to center	9.0mm
Minimum temperature	-196°C
Tube height in rack	47.8mm
Overall rack height (including lid)	50.8mm

Ordering Information

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

Part number	Description
	0.9ml Dual-coded Tube, 96-format, External Thread 2D code and human readable number on base

68-1001-00	uncapped, bulk; 960 tubes
68-1001-01	uncapped, racked (66-61002); 10 racks/960 tubes
68-1001-02	uncapped, racked (66-51016); 10 racks/960 tubes
68-1001-10	capped, bulk; 960 tubes
68-1001-11 BUY ONLINE*	capped, racked (66-61002); 10 racks/960 tubes
68-1001-12	capped, racked (66-51016); 10 racks/960 tubes
Compatible racks	
66-61002	96-Format, HighBase Rack; 10 racks
66-51016	96-Format, HighBase Rack, with TubeLock; 10 racks
66-0196-03	Cryo Rack 14x14, black, PC; 10 racks

*Online availability to US only

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