Tri-Coded Tubes, Internal Thread

0.48ml Tri-Coded Tube, 96-format, Internal Thread

67-0753-10 | 0.48ml Tri-Coded Tube, 96-Format, Internal Thread, Capped

Azenta Life Sciences tri-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, 1D linear barcode 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

  - Co-molded screw caps for internal thread tubes eliminate the possibility of over tightening
  - Co-molded caps eliminate the failures common in caps using silicon O-rings
  - Improved internal thread provides a more secure seal when using screw caps

  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

Technical specifications

Parameter	0.48ml Tri-Coded Tube, 96-Format, Internal Thread (with screw cap)	0.48ml Tri-Coded Tube, 96-Format, Internal Thread (with septum cap)
Max. fill volume (21°C)	0.58ml	0.68ml
Max. working volume (frozen)	0.48ml	572µl
Max. working volume	482µl	572µl
Tube height (without cap)	26.4mm	26.4mm
Tube height with cap	34.7mm	27.6mm
Internal height to the bottom of the tube	25.3mm	25.3mm
Inner diameter	6.8mm	6.8mm
Outer diameter with cap	8.6mm	8.6mm
Center to center	9.0mm	9.0mm
Minimum temperature	-196°C	-80°C
Tube height in rack	36.2mm	35.2mm
Overall rack height (including lid)	44.9mm	43.9mm
2D code	base	base
Human readable number	side	side
Linear barcode	side	side

Ordering Information

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

Part number	Description
0.48ml Tri-Coded Tube, 96-Format, Internal Thread 2D code on base, 1D linear barcode and human readable number on side	
67-0753-00	uncapped, bulk; 960 tubes
67-0753-01	uncapped, racked (66-51015); 10 racks/960 tubes
67-0753-02	uncapped, racked (66-51025); 10 racks/960 tubes
67-0753-10	capped, bulk; 960 tubes
67-0753-11	capped, racked (66-51015); 10 racks/960 tubes
67-0753-12	capped, racked (66-51025); 10 racks/960 tubes
0.48ml 2D-Coded Tube, 96-Format, Internal Thread 2D code on base	
67-0754-00	uncapped, bulk; 960 tubes
67-0754-01	uncapped, racked (66-51015); 10 racks/960 tubes
67-0754-02	uncapped, racked (66-51025); 10 racks/960 tubes
67-0754-10	capped, bulk; 960 tubes
67-0754-11	capped, racked (66-51015); 10 racks/960 tubes
67-0754-12	capped, racked (66-51025); 10 racks/960 tubes
Compatible racks	
66-51015	**96-Format, LowBase Rack**; 10 racks
66-51025	**96-Format, HighBase Rack**; 10 racks
66-0196-02	**Cryo Rack 14x14**, black, PC; 10 racks

0.65ml Tri-coded Tube, 96-format, Internal Thread

67-0755-10 | 0.65ml Tri-coded Tube, 96-format, Internal Thread, Capped

Azenta Life Sciences tri-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, 1D linear barcode 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

  - Co-molded screw caps for internal thread tubes eliminate the possibility of over tightening
  - Co-molded caps eliminate the failures common in caps using silicon O-rings
  - Improved internal thread provides a more secure seal when using screw caps

  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	0.65ml Tri-coded Tube, 96-format, Internal Thread (with screw cap)	0.65ml Tri-coded Tube, 96-format, Internal Thread (with septum cap)
Max. fill volume (21°C)	0.8ml	0.9ml
Max. working volume (frozen)	0.65ml	749µl
Max. working volume	666µl	749µl
Tube height (without cap)	36.8mm	36.8mm

Tube height with cap	45.1mm	38.0mm
Internal height to the bottom of the tube	35.7mm	35.7mm
Inner diameter	6.8mm	6.8mm
Outer diameter with cap	8.4mm	8.4mm
Center to center	9.0mm	9.0mm
Minimum temperature	-196°C	-80°C
Tube height in rack	46.0mm	38.9mm
Overall rack height (including lid)	50.8mm	43.9mm
2D code	base	base
Human readable number	side	side
Linear barcode	side	side

Ordering Information

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

Part number	**Description**
0.65ml Tri-coded Tube, 96-format, Internal Thread 2D code on base, 1D linear barcode and human readable number on side	
67-0755-00	uncapped, bulk; 960 tubes
67-0755-01	uncapped, racked (66-51022); 10 racks/960 tubes
67-0755-02	uncapped, racked (66-51021); 10 racks/960 tubes
67-0755-10	capped, bulk; 960 tubes

67-0755-11	capped, racked (66-51022); 10 racks/960 tubes
0.65ml 2D-coded Tube, 96-format, Internal Thread 2D code on base	
67-0756-00	uncapped, bulk; 960 tubes
67-0756-01	uncapped, racked (66-51022); 10 racks/960 tubes
67-0756-02	uncapped, racked (66-51021); 10 racks/960 tubes
67-0756-10	capped, bulk; 960 tubes
67-0756-11	capped, racked (66-51022); 10 racks/960 tubes
Compatible racks	
66-51022	**96-Format, HighBase Rack**; 10 racks
66-51021	**96-Format, HighBase Rack**, lid suitable for TPE caps only; 10 racks
66-0196-02	**Cryo Rack 14x14**, black, PC; 10 racks

0.9ml Tri-coded Tube, 96-format, Internal Thread

67-0757-10 | 0.9ml Tri-coded Tube, 96-format, Internal Thread, Capped

Azenta Life Sciences tri-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, 1D linear barcode 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

  - Co-molded screw caps for internal thread tubes eliminate the possibility of over tightening
  - Co-molded caps eliminate the failures common in caps using silicon O-rings
  - Improved internal thread provides a more secure seal when using screw caps

  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
  - 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 Tri-coded Tube, 96-format, Internal Thread (with screw cap)	0.9ml Tri-coded Tube, 96-format, Internal Thread (with septum cap)
Max. fill volume (21°C)	1.1ml	1.2ml
Max. working volume (frozen)	0.9ml	999µl
Max. working volume	916µl	999µl
Tube height (without cap)	44.2mm	44.2mm
Tube height with cap	52.5mm	45.4mm
Internal height to the bottom of the tube	43.1mm	43.1mm
Inner diameter	6.8mm	6.8mm
Outer diameter with cap	8.6mm	8.6mm
Center to center	9.0mm	9.0mm

Minimum temperature	-196°C	-80°C
Tube height in rack	53.4mm	46.3mm
Overall rack height (including lid)	61.8mm	50.8mm
2D code	base	base
Human readable number	side	side
Linear barcode	side	side

Ordering Information

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

Part number	**Description**
0.9ml Tri-coded Tube, 96-format, Internal Thread 2D code on base, 1D linear barcode and human readable number on side	
67-0757-00	uncapped, bulk; 960 tubes
67-0757-01	uncapped, racked (66-51023); 10 racks/960 tubes
67-0757-02	uncapped, racked (66-51022); 10 racks/960 tubes
67-0757-10	capped, bulk; 960 tubes
67-0757-11	capped, racked (66-51023); 10 racks/960 tubes
0.9ml 2D-coded Tube, 96-format, Internal Thread 2D code on base	
67-0758-00	uncapped, bulk; 960 tubes
67-0758-01	uncapped, racked (66-51023); 10 racks/960 tubes
67-0758-02	uncapped, racked (66-51022); 10 racks/960 tubes

67-0758-10	capped, bulk; 960 tubes
67-0758-11	capped, racked (66-51023); 10 racks/960 tubes
Compatible racks	
66-51023	**96-Format, HighBase Rack**; 10 racks
66-51022	**96-Format, HighBase Rack**, lid suitable for TPE caps only; 10 racks
66-0196-03	**Cryo Rack 14x14**, black, PC; 10 racks