MICRONIC
INNOVATION IN SAMPLE STORAGE

CATALOG

SAMPLE PRESERVATION & STORAGE SOLUTIONS

Innovative Laboratory Consumables and Equipment



SERVING SCIENTISTS SINCE 1984

CERTIFIED CLASS 7 CLEAN ROOM MANUFACTURING

PRODUCTION IN THE NETHERLANDS AND THE UNITED STATES





About Micronic

Our goal is to advance research by serving scientists in finding solutions that contribute to a higher quality of life. We develop and manufacture a range of Dutch-designed products to enhance the process of sample preservation and storage.

Micronic is an independent organization with its headquarters located in Lelystad, the Netherlands. At Micronic, we develop and manufacture our premium labware and precision engineered equipment in-house. We are committed to offering top-of-the-line products, delivering exceptional quality, reliability and durability. Above all, we stand behind our solutions and are confident that you will too. Our products are applied worldwide in the research laboratories of university hospitals, forensics, agricultural, veterinary and governmental institutes, as well as companies in biotech, food, chemical and pharmaceutical industries.

Production and quality characteristics

- Environmental commitment: Micronic is aware of its interconnectedness with the environment. We continuously think about how we can operate our business in a way that is friendly to this natural environment and sustainable to the earth, and we act accordingly. An example of our environmental commitment can be found in the ACT label. This label is the first environmental impact factor label for laboratory products. Micronic participates in this great program so that purchasers can make informed decisions about a product's environmental impact and to promote sustainability in the lab.

- ISO 9001:2015 and 14001:2015 certified: All Micronic's businesses, located in the Netherlands and the United States are certified for ISO 9001:2015. Micronic Manufacturing, which produces the sample storage labware is certified for ISO 14001:2015.

- Class 7 clean room: Micronic labware is manufactured and assembled in a NEN-EN-ISO 14644-1 Class 7 certified clean room environment (comparable to US Federal Standard 209E Class 10,000).

- FDA approved and virgin material: Materials are FDA approved and comply with the (USA) USP XXII tests, including class VI (Medical approved), and the European Pharmacopoeia-monograph 3.2.2 unless communicated otherwise.

- Extractables: The materials used for Micronic tubes are the result of extensive research. One selection criterion is that the amount of measurable extractables leaching into samples is minimized.

- RNase and DNase: By maintaining the highest possible hygiene level during our production processes, Micronic manufactured labware is free of any detectable RNase or DNase contamination.

- Endotoxin (pyrogen): By maintaining the highest possible hygiene level during its production processes, Micronic is able to limit the endotoxin level of produced and packaged labware to an acceptable minimum (< 0.01 EU/ml).

- CE marking: Micronic Sample Storage tubes are classified as general laboratory products according to leading European Life Science Organizations (GAMBICA, FHI, LABMAS, Laborama, SPECTARIS).

- Decontamination: Micronic products can be supplied gamma irradiated or ethylene oxide treated.

ACT. The Environmental Impact Factor Label

LRQA CERTIFIED ISO 9001 - ISO 14001

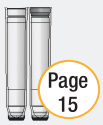
CERTIFIED MICRONIC CLEANROOM CLASS 7 ACCORDING NEN-EN-ISO 14644-1



SAMPLE STORAGE TUBES

Micronic provides a complete range of sample storage tubes designed to fit the 96-well, 48-well or 24-well ANSI/SLAS format storage racks (previously known as SBS format racks). The extensive selection includes tubes with volumes ranging from 0.30ml to 6.00ml making them ideal for a variety of common laboratory storage application. The tubes are available non-coded, alphanumeric coded or with a unique 2D Data-Matrix code (compliant with the ECC200 standard) on the tube bottom, which can be optionally paired with a 1D barcode on the tube side. Micronic also offers specialty tubes, such as the Tubestrip-8 and Amber tubes for light sensitive samples. Through our line of compatible storage racks, sealing products and equipment Micronic is able to offer you a complete solution.

VIEW PRODUCTS ONLINE

	0.50 ML	0.75 ML	0.75 ML	1.10 ML	1.40 ML	1.40 ML
	 Page 12	 Page 13	 Page 13	 Page 14	 Page 15	 Page 15
Storage rack options					Comorack-96	
Ultra Low Temperature (ULT) rack	96-1 / Q1	96-2	96-2 / 138-2	96-3	96-4	96-4
ULT rack with bottom ID (2D code)	96-1-DM/Q1-DM	96-2-DM	96-2-DM	96-3-DM	96-4-DM	96-4-DM
Eco-Friendly Choice (EFC) rack	96-1 EFC	96-2 EFC	96-2 EFC	96-3 EFC	96-3 EFC	96-3 EFC
Eco-Friendly Choice (EFC) refill rack					96-4 EFC	96-4 EFC Refill
Thread type	**Internal**	**Internal**	**n/a**	**Internal**	**n/a**	**n/a**
Tube type	Screw Cap tube	Screw Cap tube	Push Cap tube	Screw Cap tube	Push Cap tube	Push Cap tube
Inner tube shape	V	V	V or U	V	U	V or U
Working volume with Push Cap (+21°C)*	0.30ml	0.58ml	0.56 or 0.59ml	0.90ml	1.14ml	1.13 or 1.19ml
Working volume with Push Cap (-20°C)*	0.30ml	0.53ml	0.53 or 0.53ml	0.79ml	1.01ml	1.04 or 1.05ml
Working volume with Push Cap (-80°C)*	0.30ml	0.55ml	0.51 or 0.55ml	0.80ml	0.95ml	1.01 or 0.99ml
Working volume with Screw Cap (+21°C)*	0.21ml	0.48ml	n/a	0.80ml	n/a	n/a
Working volume with Screw Cap (-20°C)*	0.21ml	0.48ml	n/a	0.78ml	n/a	n/a
Working volume with Screw Cap (-80°C)*	0.21m	0.48ml	n/a	0.73ml	n/a	n/a
2D Data-Matrix coded (bottom)	Yes	Yes	Yes	Yes	No	Yes
Alphanumeric coded (bottom)	Yes	Yes	Yes	No	Yes	Yes
Non-coded (bottom)	Yes	Yes	Yes	Yes	Yes	Yes
Human readable coded (bottom)	Yes	Yes	Yes	Yes	No	Yes
Capping options *(SC = Screw Cap)*	Low Profile SC Screw Cap Push Cap	Low Profile SC Screw Cap Push Cap	Push Cap	Low Profile SC Screw Cap Push Cap	Push Cap	Push Cap
Outer diameter	9.0mm	9.0mm	9.0mm	9.0mm	9.0mm	9.0mm
Tube height	18.5mm	26.0mm	26.0mm	36.5mm	44.0mm	44.0mm
Tube height with Push Cap**	19.5mm	27.0mm	27.0mm	37.5mm	45.0mm	45.0mm
Tube height with Screw Cap	26.0mm	33.5mm	n/a	44.0mm	n/a	n/a
Available precapped	Yes	Yes	Yes	Yes	Yes	Yes
Twist-lock	Yes	Yes	No	Yes	No	No
Snap tube option	Yes	Yes	Yes	Yes	No	Yes (V-bottom)
Gamma irradiation or Eto treament	Yes	Yes	Yes	Yes	Yes	Yes
DNase / RNase free	Yes	Yes	Yes	Yes	Yes	Yes
Class 7 clean room production	Yes	Yes	Yes	Yes	Yes	Yes
Minimum storage temperature***	Vapor phase LN2	Vapor Phase LN2	-80°C	Vapor phase LN2	-80°C	-80°C
Availability	Bulk, Rack	Bulk, Refill, Rack	Bulk, Refill, Rack	Bulk, Rack	Bulk, Refill, Rack	Bulk, Refill, Rack

* If more sample volume is used in a tube than the specified working volume, it could be possible that deformation of the tube occurs. Request Test Report TR023201 for more information.
** Also applicable for the Low Profile Screw Cap.
*** Temperature range of the material of the tubes, caps and racks is approved from -80°C to +100°C. In practice tubes are used in lower temperatures until *vapor phase* LN2 (-150°C to -196°C). Micronic does not recommend to store tubes in liquid phase nitrogen (LN2). In practice tubes are only snap freezed in LN2 (without submerging the cap).
**** For -80°C storage of the 2.00ml tube its recommended to always use a rack with cover.

	0.30 ML	0.40 ML	0.75 ML	0.80 ML	1.10 ML	1.40 ML
	 Page 20	 Page 21	 Page 22	 Page 23	 Page 24	 Page 25
Storage rack options						
Ultra Low Temperature (ULT) rack	96-1	96-1 / 138-2	96-2 / 138-2	96-3	96-3	96-4
ULT rack with bottom ID (2D code)	96-1-DM	96-1-DM	96-2-DM	96-3-DM	96-3-DM	96-4-DM
Eco-Friendly Choice (EFC) rack			96-2 EFC		96-3 EFC	96-4 EFC
Eco-Friendly Choice (EFC) refill rack					96-3 EFC Refill	96-4 EFC Refill
Thread type	**External**	**External**	**External**	**External**	**External**	**External**
Tube type	Screw Cap tube	Screw Cap tube	Screw Cap tube	Screw Cap tube	Screw Cap tube	Screw Cap tube
Inner tube shape	V / Vr	V	V	V	V	V
Working volume with Push Cap (+21°C)*	0.25ml / 0.20ml	0.38ml	0.57ml	0.68ml	0.85ml	1.03ml
Working volume with Screw Cap (+21°C)*	0.32ml / 0.23ml	0.40ml	0.60ml	0.75ml	0.93ml	1.11ml
Working volume with Screw Cap (-20°C)*	0.25ml / 0.23ml	0.38ml	0.55ml	0.65ml	0.87ml	1.05ml
Working volume with Screw Cap (-80°C)*	0.25ml / 0.23ml	0.36ml	0.55ml	0.65ml	0.77ml	0.94ml
2D Data-Matrix coded (bottom)	Yes	Yes	Yes	Yes	Yes	Yes
Alphanumeric coded (bottom)	No	No	No	No	No	No
Non-coded (bottom)	No	No	Yes	No	No	Yes
Human readable coded (bottom)	Yes	Yes	Yes	Yes	Yes	Yes
Capping options	Screw Cap (IG) Push Cap	Screw Cap (IG) Push Cap	Screw Cap (IG) Push Cap	Screw Cap (IG) Push Cap	Screw Cap (IG) Push Cap	Screw Cap (IG) Push Cap
Outer diameter	8.8mm	8.8mm	9.0mm	8.8mm	9.0mm	9.0mm
Tube height	16.4mm	21.8mm	30.0mm	34.8mm	41.0mm	48.0mm
Tube height with Push Cap	17.8mm	23.2mm	31.4mm	36.2mm	42.7mm	49.4mm
Tube height with Screw Cap IG	18.7mm	24.1mm	32.3mm	37.0mm	43.6mm	50.3mm
Tube height with Screw Cap	19.9mm	25.3mm	33.5mm	38.3mm	44.6mm	51.5mm
Available precapped	Yes	Yes	Yes	Yes	Yes	Yes
Twist-lock	Yes	Yes	Yes	Yes	Yes	Yes
Snap tube option	No	No	No	No	No	No
Gamma irradiation or Eto treatment	Yes	Yes	Yes	Yes	Yes	Yes
DNase / RNase free	Yes	Yes	Yes	Yes	Yes	Yes
Class 7 clean room production	Yes	Yes	Yes	Yes	Yes	Yes
Minimum storage temperature**	Vapor phase LN2	Vapor phase LN2	Vapor phase LN2	Vapor phase LN2	Vapor phase LN2	Vapor phase LN2
Availability	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack

* If more sample volume is used in a tube than the specified working volume, it could be possible that deformation of the tube occurs. Request Test Report TR023201 for more information.

** Temperature range of the material of the tubes, caps and racks is approved from -80°C to +100°C. In practice tubes are used in lower temperatures until *vapor phase* LN2 (-150°C to -196°C). Micronic does not recommend to store tubes in liquid phase nitrogen (LN2). In practice tubes are only snap freezed in LN2 (without submerging the cap).

*** For -80°C storage of the 2.00ml tube its recommended to always use a rack with cover.

OVERVIEW AND SPECIFICATIONS
TUBES WITH EXTERNAL THREAD HYBRID

	0.75 ML	1.40 ML	2.00 ML	3.00 ML	1.50 ML	3.00 ML	6.00 ML
	 Page 30	 Page 31	 Page 32	 Page 33	 Page 34	 Page 35	 Page 36
Storage rack options Ultra Low Temperature (ULT) rack ULT rack with bottom ID (2D code) Eco-Friendly Choice (EFC) rack	96-2 96-2-DM 96-2 EFC	96-4 96-4-DM	48-2	48-3	24-1	24-1	w24-4
Thread type Tube type Inner tube shape	**External** Hybrid tube V	**External** Hybrid tube V	**External** Hybrid tube Flat	**External** Hybrid tube Flat	**External** Hybrid tube Flat	**External** Hybrid tube Flat	**External** Hybrid tube Flat
Working volume with Push Cap (+21°C)* Working volume with Screw Cap (+21°C)* Working volume with Screw Cap (-20°C)* Working volume with Screw Cap (-80°C)*	0.57ml 0.62ml 0.62ml 0.60ml	1.03ml 1.20ml 1.06ml 0.80ml	n/a 1.95ml 1.80ml 1.65ml	n/a 2.90ml 2.60ml 2.60ml	n/a 1.45ml 1.40ml 1.30ml	n/a 2.45ml 2.25ml 2.25ml	n/a 6.00ml 5.55ml 5.30ml
2D Data-Matrix coded (bottom) Alphanumeric coded (bottom) Non-coded (bottom) Human readable coded (bottom) 1D barcoded (side) Human readable coded (side)	Yes No No No Yes Yes	Yes No No No Yes Yes	Yes No No No Yes Yes	Yes No No No Yes Yes	Yes No No No No Yes	Yes No No No No Yes	Yes No No No Yes Yes
Capping options	Screw Cap (IG) Push Cap	Screw Cap (IG) Push Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap
Outer diameter Tube height Tube height with Push Cap Tube height with Screw Cap IG Tube height with Screw Cap	8.8mm 30.0mm 31.4mm 32.3mm 33.5mm	8.8mm 48.0mm 49.4mm 50.3mm 51.5mm	13.0mm 30.0mm n/a n/a 33.5mm	13.0mm 41.0mm n/a n/a 44.5mm	16.3mm 16.0mm n/a n/a 19.5mm	16.3mm 23.0mm n/a n/a 26.5mm	16.3mm 48.0mm n/a n/a 51.5mm
Available precapped Twist-lock Snap tube option Gamma irradition or Eto treatment DNase / RNase free Class 7 clean room production Minimum storage temperature*** Availability	Yes Yes No Yes Yes Yes Vapor phase LN2 Bulk, Rack	Yes Yes No Yes Yes Yes Vapor phase LN2 Bulk, Rack	Yes Yes No Yes Yes Yes Vapor phase LN2 Bulk, Rack	Yes Yes No Yes Yes Yes Vapor phase LN2 Bulk, Rack	Yes Yes No Yes Yes Yes Vapor phase LN2 Bulk, Rack	Yes Yes No Yes Yes Yes Vapor phase LN2 Bulk, Rack	Yes Yes No Yes Yes Yes Vapor phase LN2 Bulk, Rack

* If more sample volume is used in a tube than the specified working volume, it could be possible that deformation of the tube occurs. Request Test Report TR023201 for more information.

** Temperature range of the material of the tubes, caps and racks is approved from -80°C to +100°C. In practice tubes are used in lower temperatures until vapor phase LN2 (-150°C to -196°C). Micronic does not recommend to store tubes in liquid phase nitrogen (LN2). In practice tubes are only snap freezed in LN2 (without submerging the cap).

0.50ML STORAGE TUBES
INTERNAL THREAD

The 0.50ml Tubes with Internal Thread allow you to save between 35% and 50% of your freezer space and are ideal for low volume sample storage. The tube can be sealed with Push Caps and Screw Caps. Sealing 0.50ml Tubes with Low Profile Screw Caps provides an exceptionally efficient storage solution.





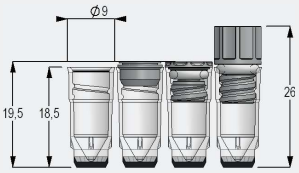
Superior features

- Internal thread provides the most optimal sealing for storage at ultra-low temperatures
- Available Non-coded, Alphanumeric coded or with a unique 2D Data-Matrix code which adheres to the ECC200 standard
- Codes are permanently laser etched
- 2D codes also have a human-readable code
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk, 96-1 (DM) and 96-Q1 (DM) ULT Rack or EFC 96-1 Rack RM which are based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 2D codes
- Highly compact solution to save freezer space
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Snap tubes; tubes are locked into the rack wells to prevent sample loss from overturned racks
- Precapped with (Low Profile) Screw Cap or Push Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	Working volume at +21°C is 0.21ml (Screw Cap) / 0.30ml (Push Cap)
U	V-bottom
	Highest purity Polypropylene
	Tube height is 18.5mm / Tube height in rack is 19.5mm (see page 57 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 (with Screw Cap) / -80°C (with Push Cap) to +100°C

Ordering information

More information about product numbers and ordering, see page 38.

1.10ML STORAGE TUBES
INTERNAL THREAD

The traceable 1.10ml Tubes work equally well with either Screw Caps or Push Caps. The tubes are standard available in the Micronic 96-3 Rack. The 1D barcoded racks are based on the ANSI/SLAS standards for storage racks and are, just like the tubes, produced in a class 7 clean room.





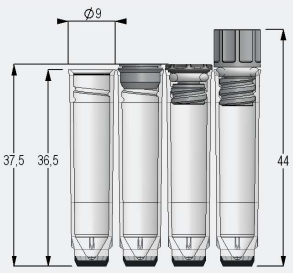
Superior features

- Internal thread provides the most optimal sealing for storage at ultra-low temperatures
- Available Non-coded, Alphanumeric coded or with a unique 2D Data-Matrix code which adheres to the ECC200 standard
- Codes are permanently laser etched
- 2D codes also have a human-readable code
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk, 96-3 (DM) ULT Rack and EFC 96-3 Rack RM which are based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Snap tubes; tubes are locked into the rack wells to prevent sample loss from overturned racks
- Precapped with (Low Profile) Screw Cap or Push Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	Working volume at +21°C is 0.80ml (Screw Cap) / 0.90ml (Push Cap)
U	V-bottom
	Highest purity Polypropylene
	Tube height is 36.5mm / Tube height in rack is 37.5mm (see page 57 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 (with Screw Cap) / -80°C (with Push Cap) to +100°C

Ordering information

More information about product numbers and ordering, see page 39.

2.00ML STORAGE TUBES
INTERNAL THREAD

The 2.00ml Tubes combine high sample storage capacity and absolute sample traceability in an industry standard 96-well configuration. The storage tubes are provided with an alphanumeric or unique 2D Data-Matrix code laser encrypted on the tube bottom to enable easy identification and traceable storage of your samples.





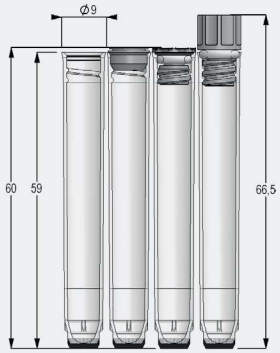
Superior features

- Internal thread provides the most optimal sealing for storage at ultra-low temperatures
- Available Alphanumeric coded or with a unique 2D Data-Matrix code which adheres to the ECC200 standard
- Codes are permanently laser etched
- 2D codes also have a human-readable code
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk and 96-5 ULT Rack which is based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Snap tubes; tubes are locked into the rack wells to prevent sample loss from overturned racks
- Precapped with (Low Profile) Screw Cap or Push Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	Working volume at +21°C is 1.49ml (Screw Cap) / 1.58ml (Push Cap)
U	U-bottom
	Highest purity Polypropylene
	Tube height is 59.0mm / Tube height in rack is 60.0mm (see page 57 for dim. drawing)
	Resistant to Chemical solvents
	-80°C* to +100°C

** For -80°C storage of the 2.00ml tube it is recommended to always use a rack with cover*

Ordering information

More information about product numbers and ordering, see page 40.

6.00ML STORAGE TUBES
INTERNAL THREAD

6.00ml Sample Storage Tubes in 24-well format have a large working volume of 4.80ml at +21°C. These tubes are available Non-coded or with a 2D Data-Matrix code. The 2D Data-Matrix code permanently laser-etched on the tube bottom identifies the sample, its coordinates within a 24-tube storage rack, the particular rack and the location of the rack in your freezer.





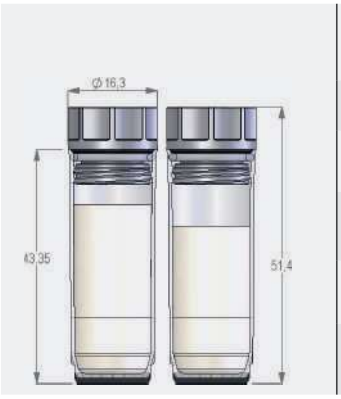
Superior features

- Internal thread provides the most optimal sealing for storage at ultra-low temperatures
- Available Non-coded or with a unique 2D Data-Matrix code which adheres to the ECC200 standard on the tube bottom
- 2D codes and 1D rack barcodes are permanently laser etched
- A large human-readable code next to the 2D code
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk and 24-4 ULT Rack which is based on the ANSI / SLAS standards for storage racks
- 24-format Screw Caps are available in 12 colors
- 100% quality control on all 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	Working volume at +21°C is 4.80ml (Screw Cap)
U	Flat bottom
	Highest purity Polypropylene
	Tube height is 43.4mm / Tube height in rack is 44.0mm (see page 63 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

Ordering information

More information about product numbers and ordering, see page 40.

0.30ML STORAGE TUBES
EXTERNAL THREAD

To address the need for low volume genomics, the 0.30ml Tube enables miniaturization of reaction volume required in genomic applications. The automation friendly tube cuts out intermediate (screening) plates and is more accessible for low volume liquid handlers. Ideal for DNA/RNA libraries, unique aliquoting and storage capacity with multi access.





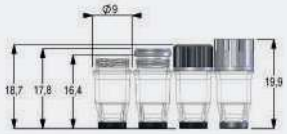
Superior features

- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- 2D codes also have a human-readable code
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk and 96-1 (DM) ULT Rack which is based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap (IG) or Push Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	For the working volumes, please see 'Tube Overview and Specs' on page 8-9
U	Vr- or V-bottom
	Highest purity Polypropylene
	Tube height is 16.4mm / Tube height in rack is 17.4mm (see page 56 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

Ordering information

More information about product numbers and ordering, see page 40.

0.75ML STORAGE TUBES
EXTERNAL THREAD

Our externally threaded 0.75ml Tubes are provided with a triple start thread which gives an excellent closure to ensure long term sample preservation and storage. Using externally threaded storage tubes eliminates the possibility of the sample coming into contact with the screw thread, minimizing chance of cross-contamination while improving sample integrity.





Superior features

- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- 2D codes also have a human-readable code
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk, 96-2 (DM) ULT Rack, 138-2 HD Rack and EFC 96-2 Rack RM which are based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap (IG) or Push Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	Working voume at +21°C is 0.60ml (Screw Cap) / 0.57ml (Push Cap)
U	V-bottom
	Polymethylpentene
	Tube height is 26.0 mm / Tube height in rack is 31.0 mm (see page 56 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

Ordering information

More information about product numbers and ordering, see page 41.

1.10ML STORAGE TUBES
EXTERNAL THREAD

The triple thread of the 1.10ml Tubes External Thread gives an excellent closure and horizontal placement of the cap to ensure long-term sample preservation and storage. The code surface of the tubes with external thread features a raised edge, which protects the 2D code against accidental scratches, ensuring absolute traceability.





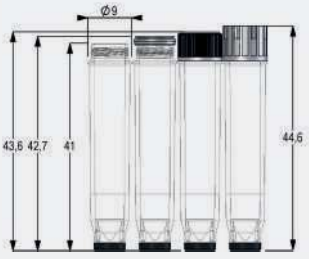
Superior features

- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- 2D codes also have a human-readable code
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk, 96-3 (DM) ULT Rack and EFC 96-3 Rack RM which are based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap (IG) or Push Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	Working volume at +21°C is 0.93ml (Screw Cap) / 0.85ml (Push Cap)
U	V-bottom
	Highest purity Polypropylene
	Tube height is 41.0mm / Tube height in rack is 42.3mm (see page 56 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

Ordering information

More information about product numbers and ordering, see page 42.

2.00ML STORAGE TUBES
EXTERNAL THREAD

Our unmatched 2.00ml Tubes are ideal to store and handle high volume samples in an industry standard 96-well configuration. The triple thread of the tube with external thread gives an excellent closure and horizontal placement of the cap to ensure long-term sample preservation and storage.





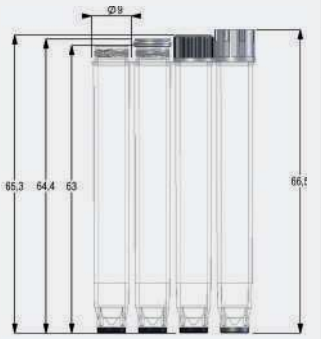
Superior features

- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- 2D codes also have a human-readable code
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk and 96-5 ULT Rack which is based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap (IG) or Push Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	Working volume at +21°C is 1.55ml (Screw Cap) / 1.48ml (Push Cap)
U	V-bottom
	Highest purity Polypropylene
	Tube height is 63.0mm / Tube height in rack is 63.8mm (see page 53 for dim. drawing)
	Resistant to Chemical solvents
	-80°C to +100°C

** For -80°C storage of the 2.00ml tube it is recommended to always use a rack with cover*

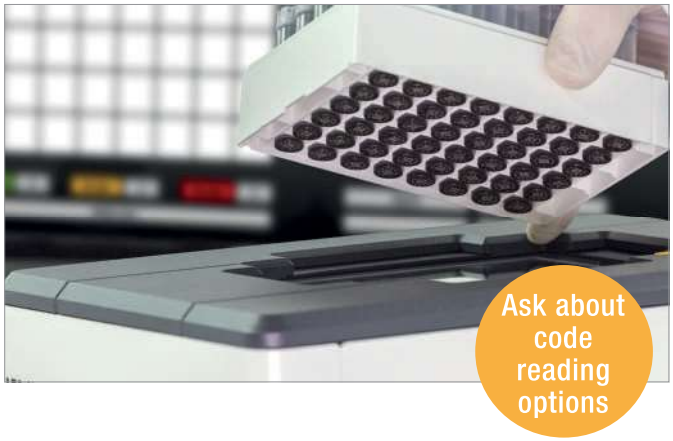
Ordering information

More information about product numbers and ordering, see page 42.

4.00ML STORAGE TUBES
EXTERNAL THREAD

The 4.00ml Tube with External Thread has a massive working volume of 3.40ml (at +21°C). The sample storage tube is ideal for solid or large volumes of liquid samples. The 4.00ml tubes with a 2D Data-Matrix code permanently laser-etched on the bottom of the tube are the storage medium of choice for customers demanding long-term reliable code reading.





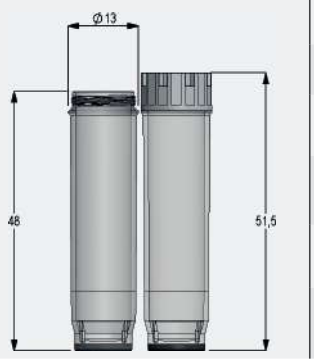
Superior features

- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- 2D codes also have a human-readable code
- Transparent Screw Cap available for visual checks
- Black code surface cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk and 48-4 ULT Rack which is based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap
- Customized 2D Data-Matrix tube code and 1D rack barcode

Specifications



	Working volume at +21°C is 3.40ml (Screw Cap)
U	Flat bottom
	Highest purity Polypropylene
	Tube height is 48.0mm / Tube height in rack is 49.0mm (see page 55 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

Ordering information

More information about product numbers and ordering, see page 43.

0.75ML STORAGE TUBES
EXTERNAL THREAD HYBRID

The Tubes with External Thread Hybrid uniquely combine automated and visual sample identification. The unique combination of coding concepts on the 0.75ml Tube guarantees the complete traceability of samples. The high contrast 1D, 2D and human-readable rodes are permanently laser-etched into the white surfaces, so that they can never wear or fall off.





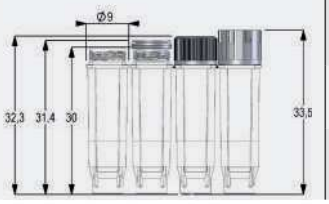
Superior features

- 1D barcode/human readable code on the tube side wall for visual identification or verification
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- White code surfaces cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk, 96-2 (DM) ULT Rack and 138-2 HD Rack wich are based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 1D and 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap (IG) or Push Cap
- Customized tube codes and rack barcode

Specifications



	Working volume at +21°C is 0.62ml (Screw Cap) / 0.57ml (Push Cap)
U	V-bottom
	Highest purity Polypropylene
	Tube height is 30.0mm / Tube height in rack is 31.0mm (see page 53 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

Ordering information

More information about product numbers and ordering, see page 43.

2.00ML STORAGE TUBES
EXTERNAL THREAD HYBRID

The 2.00ml Tubes with External Thread Hybrid guarantee sample traceability and optimize working volume. The transparent part of the tube walls enable easy visual checking of the sample, while the 4 coding concepts guarantee sample traceability. Samples can be identified with the 2D Data-Matrix code, 1D barcode, numeric code and by written codes on the white tube surfaces.





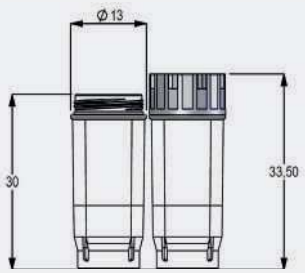
Superior features

- 1D barcode/ human readable code on the tube side wall for visual identification or verification
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- White code surfaces cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk and 48-2 ULT Rack which is based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 1D and 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap
- Customized tube codes and rack barcode

Specifications



	Working volume at +21°C is 1.95ml (Screw Cap)
U	Flat bottom
	Highest purity Polypropylene
	Tube height is 30.0mm / Tube height in rack is 31.0mm (see page 55 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

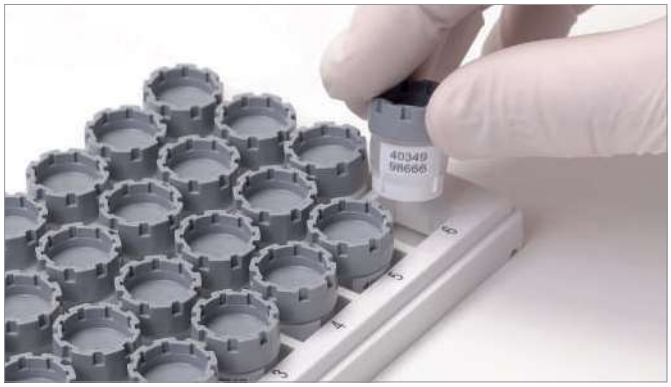
Ordering information

More information about product numbers and ordering, see page 44.

1.50ML STORAGE TUBES
EXTERNAL THREAD HYBRID

Our 1.50ml Tube in 24-well format is a fully traceable solution to store your valuable biopsy, donor or transplant samples. The tube has an external screw thread, a wide opening and a flat inner bottom, enabling easy loading / removal of tissue samples using tweezers.





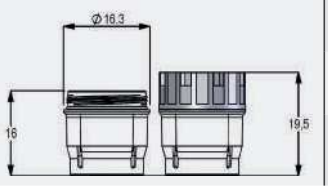
Superior features

- Numeric human readable code on the tube side wall for visual identification or verification
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- White code surfaces cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk and 24-1 ULT Rack which is based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 1D and 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap
- Customized tube codes and rack barcode

Specifications



	Working volume at +21°C is 1.45ml (Screw Cap)
	Flat bottom
	Highest purity Polypropylene
	Tube height is 16.0mm / Tube height in rack is 17.0mm (see page 57 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

Ordering information

More information about product numbers and ordering, see page 45.

6.00ML STORAGE TUBES
EXTERNAL THREAD HYBRID

This 6.00ml Tube with External Thread Hybrid in 24-well format enables researchers to store tissue and high volumes of liquid samples. The combination of coding concepts and the dimensions of the tubes provide a secure solution to store samples at low temperatures while guaranteeing sample traceability.





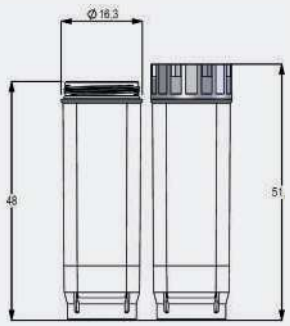
Superior features

- 1D barcode/human readable code on the tube side wall for visual identification or verification
- Available with a unique 2D Data-Matrix code which adheres to the ECC standards permanently laser etched on the tube bottom
- External thread for minimum cross contamination and maximum working volume
- Triple thread for optimal sealing quality
- Thick tube walls, sturdy design and excellent properties for ultra-low temperature storage
- White code surfaces cannot be separated from the transparent tube due to the 2K injection molding technique
- Available in bulk and 24-4 ULT Rack which is based on the ANSI / SLAS standards for storage racks
- 100% quality control on all 1D and 2D codes
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped with Screw Cap
- Customized tube codes and rack barcode

Specifications



	Working volume at +21°C is 6.00ml (Screw Cap)
U	Flat bottom
	Highest purity Polypropylene
	Tube height is 48.0mm / Tube height in rack is 49.0mm (see page 57 for dim. drawing)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

Ordering information

More information about product numbers and ordering, see page 45.

0.50ml storage tubes

from page 12

Catalog number	Description	Case Size
0.50ml Non coded Screw Cap tubes with Internal Thread V-bottom without caps		
MP32040	0.50ml Non coded Screw Cap tubes with Internal Thread in Bulk	5 x 960 tubes
MP32171	0.50ml Non coded Screw Cap tubes with Internal Thread in Micronic EFC 96-1 Rack RM with cover	4 x 10 racks
MP32101	0.50ml Non coded Screw Cap tubes with Internal Thread in Micronic 96-Q1 Rack with high cover	4 x 10 racks
MP32102	0.50ml Non coded Screw Cap tubes with Internal Thread in Micronic 96-1-DM Rack with low cover	4 x 10 racks
MP32103	0.50ml Non coded Screw Cap tubes with Internal Thread in Micronic 96-Q1-DM Rack with high cover	4 x 10 racks
0.50ml Alphanumeric coded Screw Cap tubes with Internal Thread V-bottom without caps		
MP42171	0.50ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic EFC 96-1 Rack RM with cover	4 x 10 racks
MP42101	0.50ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 96-Q1 Rack with high cover	4 x 10 racks
MP42102	0.50ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 96-1-DM Rack with low cover	4 x 10 racks
MP42103	0.50ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 96-Q1-DM Rack with high cover	4 x 10 racks
0.50ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread V-bottom without caps		
MP52326	0.50ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Bulk	5 x 960 tubes
MP52596	0.50ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic EFC 96-1 Rack RM with cover	4 x 10 racks
MP52501	0.50ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 96-Q1 Rack with high cover	4 x 10 racks
MP52502	0.50ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 96-1-DM Rack with low cover	4 x 10 racks
MP52503	0.50ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 96-Q1-DM Rack with high cover	4 x 10 racks

Also available precapped with (Low Profile) Screw Cap or Push Cap and ULT rack with low cover.

0.75ml storage tubes

from page 13

Catalog number	Description	Case Size
0.75ml Non coded Screw Cap tubes with Internal Thread V-bottom without caps		
MP32069	0.75ml Non coded Screw Cap tubes with Internal Thread in Bulk	5 x 960 tubes
MP32070	0.75ml Non coded Screw Cap tubes with Internal Thread in refill carrier-96	5 x 10 refills
MP32172	0.75ml Non coded Screw Cap tubes with Internal Thread in Micronic EFC 96-2 Rack RM with cover	4 x 10 racks
MP32111	0.75ml Non coded Screw Cap tubes with Internal Thread in Micronic 96-2 Rack with high cover	4 x 10 racks
MP32114	0.75ml Non coded Screw Cap tubes wiht Internal Thread in Micronic 96-2-DM Rack with low cover	4 x 10 racks
MP32115	0.75ml Non coded Screw Cap tubes with Internal Thread in Micronic 96-2-DM Rack with high cover	4 x 10 racks
0.75ml Alphanumeric coded Screw Cap tubes with Internal Thread V-bottom without caps		
MP42067	0.75ml Alphanumeric coded Screw Cap tubes with Internal Thread in refill carrier-96	5 x 10 refills
MP42172	0.75ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic EFC 96-2 Rack RM with cover	4 x 10 racks
MP42111	0.75ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 96-2 Rack with high cover	4 x 10 racks
MP42114	0.75ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 96-2-DM Rack with low cover	4 x 10 racks
MP42115	0.75ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 96-2-DM Rack with high cover	4 x 10 racks
0.75ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread V-bottom without caps		
MP52349	0.75ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Bulk	5 x 960 tubes
MP52350	0.75ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in refill carrier-96	5 x 10 refills
MP52597	0.75ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic EFC 96-2 Rack RM with cover	4 x 10 racks
MP52520	0.75ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 96-2 Rack with high cover	4 x 10 racks
MP52521	0.75ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 96-2-DM Rack with low cover	4 x 10 racks
MP52522	0.75ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 96-2-DM Rack with high cover	4 x 10 racks
MP52525	0.75ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 138-2 HD Rack without cover	4 x 10 racks

Other item numbers are available for 0.75ml Push Cap tubes V- or U-bottom. Also available precapped with (Low Profile) Screw Cap or Push Cap and ULT rack with low cover.

2.00ml storage tubes

from page 16

Catalog number	Description	Case Size
2.00ml Screw Cap tubes with Internal Thread U-bottom without caps		
MP42150	2.00ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 96-5 Rack with low cover	4 x 6 racks
MP42151	2.00ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 96-5 Rack with high cover	4 x 6 racks
MP52359	2.00ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Bulk	4 x 576 tubes
MP52570	2.00ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 96-5 Rack with low cover	4 x 6 racks
MP52571	2.00ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 96-5 Rack with high cover	4 x 6 racks

Also available precapped with (Low Profile) Screw Cap or Push Cap.

4.00ml storage tubes

from page 17

Catalog number	Description	Case Size
4.00ml Screw Cap tubes with Internal Thread without caps		
MP32200	4.00ml Non coded Screw Cap tubes with Internal Thread Bulk	4 x 480 tubes
MP32201	4.00ml Non coded Screw Cap tubes with Internal Thread in Micronic 48-4 Rack with high cover	2 x 10 racks
MP42200	4.00ml Alphanumeric coded Screw Cap tubes with Internal Thread in Micronic 48-4 Rack with high cover	2 x 10 racks
MP52440	4.00ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Bulk	4 x 480 tubes
MP52441	4.00ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 48-4 Rack with high cover	2 x 10 racks

Also available precapped with Screw Cap

6.00ml storage tubes

from page 18

Catalog number	Description	Case Size
6.00ml Screw Cap tubes with Internal Thread without caps		
MP32300	6.00ml Non coded Screw Cap tubes with Internal Thread Bulk	4 x 240 tubes
MP32301	6.00ml Non coded Screw Cap tubes with Internal Thread in Micronic 24-4 Rack with high cover	2 x 10 racks
MP52400	6.00ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Bulk	4 x 240 tubes
MP52410	6.00ml 2D Data-Matrix coded Screw Cap tubes with Internal Thread in Micronic 24-4 Rack with high cover	2 x 10 racks

Also available precapped with Screw Cap

0.30ml storage tubes

from page 20

Catalog number	Description	Case Size
0.30ml Non coded Screw Cap tubes with External Thread V-bottom without caps		
MP32146	0.30ml Non coded Screw Cap tubes with External Thread Bulk	5 x 960 tubes
MP32147	0.30ml Non coded Screw Cap tubes with External Thread in Micronic 96-1 Rack with low cover	4 x 10 racks
MP32148	0.30ml Non coded Screw Cap tubes with External Thread in Micronic 96-1-DM Rack with low cover	4 x 10 racks
0.30ml 2D Data-Matrix coded Screw Cap tubes with External Thread V-bottom without caps		
MP52701	0.30ml 2D Data-Matrix coded Screw Cap tubes with External Thread Bulk	5 x 960 tubes
MP52703	0.30ml 2D Data-Matrix coded Screw Cap tubes with External Thread in Micronic 96-1 Rack with low cover	4 x 10 racks
MP52736	0.30ml 2D Data-Matrix coded Screw Cap tubes with External Thread in Micronic 96-1-DM Rack with low cover	4 x 10 racks

Also available precapped with Screw Cap (IG) or Push Cap.

1.10ml storage tubes

from page 24

Catalog number	Description	Case Size
1.10ml 2D Data-Matrix coded Screw Cap tubes with External Thread V-bottom without caps		
MP52730	1.10ml 2D Data-Matrix coded Screw Cap tubes with External Thread Bulk	4 x 960 tubes
MP52753	1.10ml 2D Data-Matrix coded Screw Cap tubes with External Thread in Micronic EFC 96-3 Rack RM with cover	4 x 10 racks
MP52740	1.10ml 2D Data-Matrix coded Screw Cap tubes with External Thread in Micronic 96-3-DM Rack with high cover	4 x 10 racks

Also available precapped with Screw Cap (IG) or Push Cap.

1.40ml storage tubes

from page 25

Catalog number	Description	Case Size
1.40ml Non coded Screw Cap tubes with External Thread V-bottom without caps		
MP32152	1.40ml Non coded Screw Cap tubes with External thread Bulk	4 x 960 tubes
MP32159	1.40ml Non coded Screw Cap tubes with External Thread in Micronic EFC 96-3 Rack RM with high cover	4 x 10 racks
MP32157	1.40ml Non coded Screw Cap tubes with External Thread in Micronic EFC 96-4 Refill Rack with cover	4 x 10 racks
MP32155	1.40ml Non coded Screw Cap tubes with External Thread in Micronic 96-4-DM Rack with high cover	2 x 10 racks
1.40ml 2D Data-Matrix coded Screw Cap tubes with External Thread V-bottom without caps		
MP52708	1.40ml 2D Data-Matrix coded Screw Cap tubes with External Thread Bulk	4 x 960 tubes
MP52766	1.40ml Non coded Screw Cap tubes with External Thread in Micronic EFC 96-3 Rack RM with high cover	4 x 10 racks
MP52751	1.40ml 2D Data-Matrix coded Screw Cap tubes with External Thread in Micronic EFC 96-4 Refill Rack with cover	4 x 10 racks
MP52741	1.40ml 2D Data-Matrix coded Screw Cap tubes with External Thread in Micronic 96-4-DM Rack with high cover	2 x 10 racks

Also available precapped with Screw Cap (IG) or Push Cap.

2.00ml storage tubes

from page 26

Catalog number	Description	Case Size
2.00ml Screw Cap tubes with External Thread V-bottom without caps		
MP52712	2.00ml 2D Data-Matrix coded Screw Cap tubes with External Thread Bulk	4 x 576 tubes
MP52714	2.00ml 2D Data-Matrix coded Screw Cap tubes with External Thread in Micronic 96-5 Rack with high cover	4 x 6 racks
2.00ml Screw Cap tubes with External Thread V-bottom standard precapped with Grey Screw Cap IG		
MP52712-G71	2.00ml 2D Data-Matrix coded Screw Cap tubes with External Thread precapped with Grey Screw Cap IG Bulk	4 x 576 tubes
MP52714-G71	2.00ml 2D Data-Matrix coded Screw Cap tubes with External Thread precapped with Grey Screw Cap IG in Micronic 96-5 Rack with high cover	4 x 6 racks

Also available precapped with Screw Cap or Push Cap.

1.00ml storage tubes

from page 27

Catalog number	Description	Case Size
1.00ml Screw Cap tubes with External Thread Flat bottom without caps		
MP52800	1.00ml 2D Data-Matrix coded Screw Cap tubes with External Thread Bulk	5 x 480 tubes
MP52802	1.00ml 2D Data-Matrix coded Screw Cap tubes with External Thread in Micronic 48-1 Rack with low cover	4 x 10 racks
1.00ml Screw Cap tubes with External Thread Flat bottom standard precapped with Grey Screw Caps		
MP52800-Y20	1.00ml 2D Data-Matrix coded Screw Cap tubes with External Thread precapped with Grey Screw Cap Bulk	5 x 480 tubes
MP52802-Y20	1.00ml 2D Data-Matrix coded Screw Cap tubes with External Thread precapped with Grey Screw Cap in Micronic 48-1 Rack with low cover	4 x 10 racks

1.40ml storage tubes hybrid

from page 31

Catalog number	Description	Case Size
1.40ml Screw Cap tubes with External Thread Hybrid V-bottom without caps		
MP52759	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D Bulk	4 x 960 tubes
MP52764	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 Bulk	4 x 960 tubes
MP52761	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D in Micronic 96-4 Rack with high cover	2 x 10 racks
MP52765	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 in Micronic 96-4 Rack with high cover	2 x 10 racks
MP52782	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D in Micronic 96-4-DM Rack with high cover	2 x 10 racks
MP52783	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 in Micronic 96-4-DM Rack with high cover	2 x 10 racks
1.40ml Screw Cap tubes with External Thread Hybrid -bottom precapped with Grey Screw Cap IG		
MP52759-G71	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D precapped with Grey Screw Cap IG Bulk	4 x 960 tubes
MP52764-G71	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 precapped with Grey Screw Cap IG Bulk	4 x 960 tubes
MP52761-G71	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D precapped with Grey Screw Cap IG in Micronic 96-4 Rack with high cover	2 x 10 racks
MP52765-G71	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 precapped with Grey Screw Cap IG in Micronic 96-4 Rack with high cover	2 x 10 racks
MP52782-G71	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D precapped with Grey Screw Cap IG in Micronic 96-4-DM Rack with high cover	2 x 10 racks
MP52783-G71	1.40ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 precapped with Grey Screw Cap IG in Micronic 96-4-DM Rack with high cover	2 x 10 racks

Also available precapped with Screw Cap or Push Cap.

2.00ml storage tubes hybrid

from page 32

Catalog number	Description	Case Size
2.00ml Screw Cap tubes with External Thread Hybrid Flat bottom without caps		
MP52855	2.00ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D Bulk	4 x 480 tubes
MP52856	2.00ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 Bulk	4 x 480 tubes
MP52858	2.00ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D in Micronic 48-2 Rack with high cover	4 x 10 racks
MP52859	2.00ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 in Micronic 48-2 Rack with high cover	4 x 10 racks

Also available precapped with Screw Cap.

3.00ml storage tubes hybrid

from page 33

Catalog number	Description	Case Size
3.00ml Screw Cap tubes with External Thread Hybrid Flat bottom without caps		
MP52861	3.00ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D Bulk	4 x 480 tubes
MP52862	3.00ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 Bulk	4 x 480 tubes
MP52864	3.00ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W1D in Micronic 48-3 Rack with high cover	4 x 10 racks
MP52865	3.00ml 2D Data-Matrix coded Screw Cap tubes with Ext. Thread Hybrid W00 in Micronic 48-3 Rack with high cover	4 x 10 racks

Also available precapped with Screw Cap.



Serving scientists since 1984

Certified Class 7 clean room manu-facturing

SAMPLE STORAGE RACKS

Precision-engineered in a certified Class 7 clean room production facility, the Micronic ULT Racks are designed in accordance with the Society for Laboratory Automation and Screening (ANSI/SLAS) standards for storage racks, accommodating 138, 96, 48, or 24 tubes. These racks ensure absolute traceability and reproducibility through innovative laser-etched alphanumeric visual location aids on top, a 2D code on the bottom, and/or a laser-etched 1D barcode on the side. Additionally, the open-bottom design of the storage racks facilitates rapid defrosting of samples, enhancing usability and efficiency.

Micronic sample storage racks are crafted to be high-quality, durable, and compatible with automated equipment. With various identification options, you can easily distinguish between racks, ensuring a comprehensive overview of your sample collection. Available in multiple formats, these racks cater to diverse research needs.

VIEW PRODUCTS ONLINE

Superior features of Micronic Eco-Friendly Choice Rack RM

Clean room class 7 production, Rnase/ Dnase and pyrogen free

Unique solution

1D barcode and human readable code on the tube side wall for visual identification or verification



Cover made of Polypropylene (PP) which is easier to recycle

99% Refill made of 99% renewed material

Automation friendly

EFC ECO FRIENDLY CHOICE

Making In-house Material Renewal a Reality

A key part of our approach to sustainability now involves recycling and renewing residual materials from our injection molding operations. This process not only helps us minimize waste and reduce our environmental impact but also ensures that our products maintain the highest quality standards. Read on to find out how the material renewal process works.

The Material Renewal Process

Residual materials, such as sprues or rejected products, from the injection molding process that are suitable for renewing are carefully separated. This separation is achieved by capturing specific waste streams and then grinding them. Various quality procedures ensure there is no contamination from other plastics or pollution during this process. The ground plastics are converted into renewed material through an extruder. The long strands that come out of the extruder are cut into granules, resulting in the 'renewed' material. The stringent quality control measures assure no compromise in quality or integrity during the renewal process, guaranteeing high-quality renewed material.

Moreover, the material does not need to be transported from an external location, as the renewal process now occurs on-site, reducing transportation costs previously incurred for material disposal. This on-site renewal not only enhances sustainability but also streamlines the production process, contributing to overall efficiency and environmental responsibility.

Products made from Renewed Material

The renewed material is then processed into products, like the EFC Racks RM, using injection molding machines. To maintain the product color and 1D barcode quality on the rack, a very small amount of dye (1%) is added. As a result, the EFC Racks RM meet all quality standards comparable to those of racks made from new material.

VIEW PRODUCTS ONLINE

	COMORACK-96	MICRONIC 96-1	MICRONIC 96-Q1
	 Page 65	 Page 56	 Page 56
Rack material	PC	PC	PC
Quantity of tubes in rack	96	96	96
Available for tube volumes (nominal)	1.40ml (standard tube) (internal thread)	0.30ml, 0.40ml and 0.50ml (internal/external thread)	0.50ml (internal thread)
Rack height without cover Tube height in rack without cover (*Tubes with Push Caps and tubes with Low Profile Screw Caps are identical in height)	31.1mm *Standard tube* 46.5mm (1.40ml without Cap) 47.5mm (1.40ml with Push Cap)	12.0mm *Internal Thread* 19.5mm (0.50ml without Cap) 20.5mm (0.50ml with Push Cap*) 26.5mm (0.50ml with Screw Cap) *External Thread* 17.4mm (0.30ml without Cap) 18.8mm (0.30ml with Push Cap) 19.6mm (0.30ml with Screw Cap IG) 20.8mm (0.30ml with Screw Cap) 22.8mm (0.40ml without cap) 24.2mm (0.40ml with Push Cap) 25.0mm (0.40ml with Screw Cap IG) 26.3mm (0.40ml with Screw Cap)	16.0mm *Internal Thread* 19.5mm (without Cap) 20.5mm (with Push Cap*) 27.2mm (with Screw Cap)
Rack height with low cover	n/a	23.8mm	30.8mm
Rack height with standard cover	52.0mm	n/a	n/a
Rack height with high cover	n/a	30.8mm	n/a
Available with 1D barcode on rack side	Yes (with label)	Yes (laser-etched)	Yes (laser-etched)
Available with 2D code on rack bottom	No	Yes	Yes
Twist-lock	No	Yes	Yes
Decontamination option	Yes	Yes	Yes
DNase / RNase free	Yes	Yes	Yes
Autoclavable	No	No	No
Class 7 clean room production	Yes	Yes	Yes
Temperature range**	-80ºC to + 100ºC	Vapor phase LN2 to + 100ºC	Vapor phase LN2 to + 100ºC
Chemical resistance	+	++/+	++/+

** Temperature range of the material of the tubes, caps and racks is approved from -80ºC to +100ºC. In practice racks are used in lower temperatures until vapor phase LN2 (-150ºC to -196ºC) for storage. Micronic does not recommend to store racks in liquid phase nitrogen (LN2).

	MICRONIC EFC 96-1 RM	MICRONIC EFC 96-2 RM	MICRONIC EFC 96-3 RM
EFC ECO FRIENDLY CHOICE	 Page 58	 Page 58	 Page 58
Rack material	Renewed PP	Renewed PP	Renewed PP
Quantity of tubes in rack	96	96	96
Available for tube volumes (nominal)	0.50ml (internal thread)	0.75ml (internal/external thread)	1.10 and 1.40ml (internal/external thread)
Rack height without cover	15.0mm	17.5mm	27.0mm
Tube height in rack without cover	*Internal Thread*	*Internal Thread*	*Internal Thread*
(*Tubes with Push Caps and tubes with Low Profile Screw Caps are identical in height)	21.0mm (without Cap) 22.0mm (with Push Cap) 28.0mm (with Screw Cap)	27.0mm (without Cap) 28.0mm (with Push Cap) 34.5mm (with Screw Cap) *External Thread* 31.0mm (without Cap) 32.4mm (with Push Cap) 33.3mm (with Screw Cap IG) 34.5mm (with Screw Cap)	36.5mm (1.10ml without Cap) 37.5mm (1.10ml with Push Cap) 44.8mm (1.10ml with Screw Cap) 43.9mm (1.40ml without Cap) 44.9mm (1.40ml with Push Cap) 51.4mm (1.40ml with Screw Cap) *External Thread* 37.5mm (1.10ml without Cap) 42.7mm (1.10ml with Push Cap) 44.8mm (1.10ml with Screw Cap) 47.9mm (1.40ml without Cap) 49.3mm (1.40ml with Push Cap) 50.2mm (1.40mlwith Screw Cap IG) 51.4mm (1.40ml with Screw Cap)
Rack height with low cover	n/a	n/a	n/a
Rack height with standard cover	31.7mm	38.2mm	47.7mm
Rack height with high cover	n/a	n/a	54.7mm
Available with 1D barcode on rack side	Yes (laser-etched)	Yes (laser-etched)	Yes (laser-etched)
Available with 2D code on rack bottom	No	No	No
Twist-lock	No	No	No
Decontamination option	Yes	Yes	Yes
DNase / RNase free	Yes	Yes	Yes
Autoclavable**	Yes	Yes	Yes
Class 7 clean room production	Yes	Yes	Yes
Temperature range***	-80°C to + 100°C	Vapor phase LN2 to + 100°C	Vapor phase LN2 to + 100°C
Chemical resistance	+++	+++	+++

** The racks can be autoclaved in +121°C. Please request more information about the number of cycles per rack type.

*** Temperature range of the material of the tubes, caps and racks is approved from -80°C to +100°C. In practice racks are used in higher temperatures for autoclaving (+121°C) and in lower temperatures until vapor phase LN2 (-150°C to -196°C) for storage. Micronic does not recommend to store racks in liquid phase nitrogen (LN2).

	MICRONIC 48-1	MICRONIC 48-2	MICRONIC 48-3
	 Page 60	 Page 60	 Page 60
Rack material	PC	PC	PC
Quantity of tubes in rack	48	48	48
Available for tube volumes (nominal)	1.00ml (external thread)	2.00ml (external thread hybrid)	3.00ml (external thread hybrid)
Rack height without cover	12.0mm	19.0mm	22.7mm
Tube height in rack without cover	*External Thread* 17.0mm (without cap) 20.7mm (with Screw Cap)	*External Thread* 31.0mm (without cap) 34.5mm (with Screw Cap)	*External Thread* 42.0mm (without cap) 45.5mm (with Screw Cap)
Rack height with low cover	23.8mm	n/a	n/a
Rack height with high cover	n/a	30.8mm	41.5mm
Available with 1D barcode on rack side	Yes (laser-etched)	Yes (laser-etched)	Yes (laser-etched)
Available with 2D code on rack bottom	No	No	No
Twist-lock	Yes	Yes	Yes
Sterilization option	Yes	Yes	Yes
DNase / RNase free	Yes	Yes	Yes
Autoclavable	No	No	No
Class 7 clean room production	Yes	Yes	Yes
Temperature range**	Vapor phase LN2 to + 100°C	Vapor phase LN2 to + 100°C	Vapor phase LN2 to + 100°C
Chemical resistance	++/+	++/+	++/+

** Temperature range of the material of the tubes, caps and racks is approved from -80°C to +100°C. In practice racks are used in lower temperatures until vapor phase LN2 (-150°C to -196°C) for storage. Micronic does not recommend to store racks in liquid phase nitrogen (LN2).

The Micronic ULT Rack Range is developed to securely store samples down to ultra-low temperatures. Absolute traceability and reproducibility on the racks is ensured through novel laser-etched alphanumeric visual location aids on top of the racks and a unique laser etched 1D barcode on the side of the racks.





Superior features

- Dimensions based on the Society for Laboratory Automation and Screening (ANSI / SLAS) standards for storage racks
- Extremely strong design which minimizes deformation due to temperature changes
- Manufactured from Polycarbonate which has excellent properties for low temperatures (vapor phase LN2)
- Highly transparent cover
- Standard available with laser etched 1D barcode on rack side and optional 2D Data-Matrix code on rack bottom
- Unique laser etched Alphanumeric coding on top
- Rack orientation marks on bottom and side
- Secure and safe locking system
- Twist-lock
- Open rack bottom
- Compatible with the Micronic Rack Readers
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Customizable 1D rack barcode

Specifications



See next page

	Compatible with tubes from 0.30ml to 2.00ml
	12 rows of 8 tubes (96 tubes)
	Polycarbonate
	Length: 127.8mm (5.03 inches), width: 85.5mm (3.37 inches)
	Resistant to Chemical solvents
	Vapor phase LN2 to +140°C

VIEW PRODUCT ONLINE

The Micronic Eco-Friendly Choice Rack RM is 99% made of renewed material, setting a new sustainable standard for sample storage racks. The sample storage Micronic EFC Rack RM, based on the global recognized ANSI/SLAS standards for storage racks, features a laser-etched 1D barcode and a human readable code on the side.





Superior features

- Rack made of 99% in-house renewed material
- Cover is manufactured from Polypropylene which is easier to recycle
- Dimensions based on the Society for Laboratory Automation and Screening (ANSI / SLAS) standards for storage racks
- Extremely strong design which minimizes deformation due to temperature changes
- Standard available with laser etched 1D barcode on rack side
- Unique laser etched Alphanumeric coding on top
- Rack orientation marks on bottom and side
- Secure and safe locking system
- Open rack bottom
- Compatible with the Micronic Rack Readers
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Customizable 1D rack barcode

Specifications



See next page

	Compatible with tubes from 0.50ml to 1.40ml
	12 rows of 8 tubes (96 tubes)
	99% renewed Polypropylene
	Length: 127.8mm (5.03 inches), width: 85.5mm (3.37 inches)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

More information about the Eco-Friendly Range, see page 52.

VIEW PRODUCT ONLINE

The Micronic 48-well format ULT Racks can hold 6 x 8 (48) individual tubes. Next to the standard ANSI/SLAS footprint, the ULT Racks are provided with more features ideal for automation. For example: an outstanding Twist-Lock design which prevents tubes from turning during screw (de)capping and closed side walls with minimal notches.





Superior features

- Dimensions based on the Society for Laboratory Automation and Screening (ANSI / SLAS) standards for storage racks
- Extremely strong design which minimizes deformation due to temperature change
- Manufactured from Polycarbonate which has excellent properties for low temperatures (vapor phase LN2)
- Highly transparent cover
- Standard available with laser etched 1D rack barcode
- Unique laser etched Alphanumeric coding on top
- Rack orientation marks on bottom and side
- Secure and safe locking system
- Twist-lock
- Open rack bottom
- Compatible with the Micronic Rack Readers
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Customizable 1D rack barcode

Specifications



See next page

	Compatible with tubes from 1.00ml to 4.00ml
	8 rows of 6 tubes (48 tubes)
	Polycarbonate
	Length: 127.8mm (5.03 inches), width: 85.5mm (3.37 inches)
	Resistant to Chemical solvents
	Vapor phase LN2 to +140°C

VIEW PRODUCT ONLINE

The Micronic 24-well format racks are made from Polycarbonate and have excellent properties for low temperature conditions. The material used to manufacture the racks is selected on quality and the highest purity levels. The racks have an extremely strong design which minimizes deformation due to temperature changes.





Superior features

- Dimensions based on the Society for Laboratory Automation and Screening (ANSI / SLAS) standards for storage racks
- Extremely strong design which minimizes deformation due to temperature changes
- Manufactured from Polycarbonate which has excellent properties for low temperatures (vapor phase LN2)
- Highly transparent cover
- Standard available with laser etched 1D rack barcode
- Unique laser etched Alphanumeric coding on top
- Rack orientation marks on bottom and side
- Secure and safe locking system
- Twist-lock
- Open rack bottom
- Compatible with the Micronic Rack Readers
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Customizable 1D rack barcode

Specifications



See next page

	Compatible with tubes from 1.50ml to 6.00ml
	6 rows of 4 tubes (24)
	Polycarbonate
	Length: 127.8mm (5.03 inches), width: 85.5mm (3.37 inches)
	Resistant to Chemical solvents
	Vapor phase LN2 to +140°C

VIEW PRODUCT ONLINE

SPECIAL RACKS
138-WELL FORMAT RACK

The Micronic 138-well format HD Rack is made to store more samples in an ANSI/SLAS format rack, and is especially designed to be compatible with automated processes. The rack walls are closed for easy gripping with most robotic arms. In addition, the rack uses a unique open bottom design, which permits tubes to be manipulated by robotic systems.



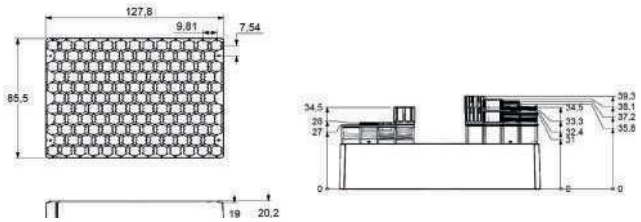
Superior features

- Dimensions based on the Society for Laboratory Automation and Screening (ANSI / SLAS) standards for storage racks
- Extremely strong design which minimizes deformation due to temperature change
- Manufactured from Polycarbonate which has excellent properties for low temperatures (vapor phase LN2)
- Class 7 clean room production
- RNase/DNase and Pyrogen free
- Rack side walls are closed for easy and various gripping of most robotic arms
- Standard available with laser etched 1D barcode
- Twist-lock
- Compatible with automated storage systems
- Compatible with Micronic Rack Reader DR700 range

Dimensions

Micronic 138-2 rack dimensions and tube in rack dimensions

Left: 0.75ml internally threaded tubes with TPE Push Caps / Low Profile Screw Caps or Screw Caps. Right: 0.75ml / 0.80ml externally threaded (hybrid) tubes with TPE Push Caps / Screw Caps IG or Screw Caps.



Additional options

- Decontamination using gamma irradiation or Eto treatment
- Customizable 1D rack barcode

Ordering information

Catalog number	Description	Case Size
Tube storage racks in 138-well ANSI/SLAS standard format (empty)		
MP51420	Micronic 138-2 HD Rack without cover for 0.75ml tubes	4 x 10 racks

Specifications 138-well HD Rack



See next page

	Compatible with tubes from 0.75 to 0.80ml
	6 rows of 13 tubes and 5 rows of 12 tubes (138)
	Polycarbonate
	Length: 127.8mm (5.03 inches), width: 85.5mm (3.37 inches)
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

VIEW PRODUCT ONLINE

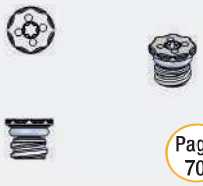


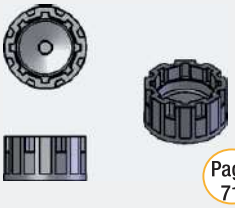
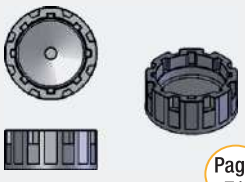
SAMPLE STORAGE CAPS

Industry leading cap range

Micronic also offers various special versions of screw caps, including Screw Caps Ultra, Low Profile Screw Caps and screw caps in a disposable cap carrier. Screw Caps Ultra are designed for long-term sample storage and provide enhanced sealing performance with a silicone O-ring inside the tube, creating a secure "hard" stop for the tightest seal possible. Low Profile Screw Caps are more compact than standard caps, saving up to 33% more space in a freezer. The disposable cap carrier enables lab technicians to quickly and efficiently cap racks of tubes using automated systems, with caps preloaded into the carrier for added convenience.The Micronic push caps are available in 96-format and the screw caps in 96-, 48-, and 24 format. All sealing products are available in a range of vibrant colors!

VIEW PRODUCTS ONLINE

	SCREW CAP-96	SCREW CAP-48	SCREW CAP-24	LOW PROFILE SC
CAPS FOR TUBES WITH INTERNAL THREAD	 Page 70	 Page 70	 Page 70	 Page 70
Cap material	PP + Silicon O-ring	PP + Silicon O-ring	PP + Silicon O-ring	PP + Silicon O-ring
Capping for # tubes	1	1	1	1
Format	Single cap for 96-format tubes	Single cap for 48-format tubes	Single cap for 24-format tubes	Single cap for 96-format tubes
Compatible tubes	0.50ml, 0.75ml, 1.10ml, 1.40ml, 2.00ml	4.00ml	6.00ml	0.50ml, 0.75ml, 1.10ml, 1.40ml, 2.00ml
Colors*	12 different colors	12 different colors	12 different colors	12 different colors
Piercable	No	No	No	No
Available as pre-split	No	No	No	No
Re-usable	Yes	Yes	Yes	Yes
Sterilization option	Yes	Yes	Yes	Yes
Available DNase / RNase free	Yes	Yes	Yes	Yes
Class 7 clean room production	Yes	Yes	Yes	Yes
Minimum storage temperature**	Vapor phase LN2	Vapor phase LN2	Vapor phase LN2	Vapor phase LN2
Chemical resistance	++	++	++	++

	SCREW CAP-96	SCREW CAP-48	SCREW CAP-24	SCREW CAP IG
CAPS FOR TUBES WITH EXTERNAL THREAD	 Page 71	 Page 71	 Page 71	 Page 71
Cap material	PE	PE	PE	PE
Capping for # tubes	1	1	1	1
Format	Single cap for 96-format tubes	Single cap for 48-format tubes	Single cap for 24-format tubes	Single cap for 96-format tubes
Compatible tubes	0.30ml, 0.40ml, 0.75ml, 0.80ml, 1.10ml, 1.40ml, 200ml	1.00ml, 2.00ml, 3.00ml, 4.00ml	1.50ml, 3.00ml, 3.50ml, 6.00ml	0.30ml, 0.40ml, 0.75ml, 0.80ml, 1.10ml, 1.40ml, 2.00ml
Colors*	Transparent + 12 different colors	Transparent + 12 different colors	Transparent + 12 different colors	Transparent + 12 different colors
Re-usable	Yes	Yes	Yes	Yes
Sterilization option	Yes	Yes	Yes	Yes
DNase / RNase free	Yes	Yes	Yes	Yes
Class 7 clean room production	Yes	Yes	Yes	Yes
Minimum storage temperature**	Vapor phase LN2	Vapor phase LN2	Vapor phase LN2	Vapor phase LN2
Chemical resistance	++	++	++	++

SCREW CAPS
INTERNAL THREAD

Micronic Screw Caps-96 provide a secure closure for long-term sample storage at ultra-low temperatures. To meet the diverse needs of different researchers, Micronic offers a range of sealing solutions. Tubes with Internal Thread can be sealed with the classic Screw Cap, the Screw Cap Ultra and the Low Profile Screw Cap.





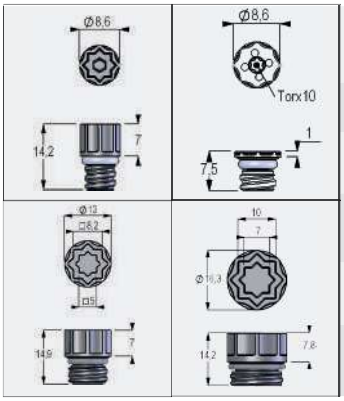
Superior features

- Low Profile Screw Caps save freezer space up to 33%!
- Screw Caps feature a high quality Silicon O-ring
- Available in 12 different colors: Grey, White, Yellow, Orange, Red, Pink, Purple, Blue, Light Blue, Light Green, Green and Black
- The Screw Cap Ultra is available in 4 different colors: Yellow, Red, Blue and Light Green
- Automation friendly
- Ideal for sample storage at utlra-low temperatures or for sample transportation
- Compatible with Micronic internally threaded Screw Cap tubes in 96-, 48-, or 24-format
- Small packaging of 960, 480, 240 caps
- Resists chemical solvents
- Class 7 clean room production
- RNase/DNase and Pyrogen free

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped on Micronic Screw Cap tubes

Specifications



	Compatible with Screw Cap tubes from 0.50ml to 6.00ml
	Compatible with tubes in 96-, 48- and 24-well format
	Polypropylene with Silicon O-ring
	See drawings on the left
	Resistant to Chemical solvents
	Vapor phase LN2 to +100°C

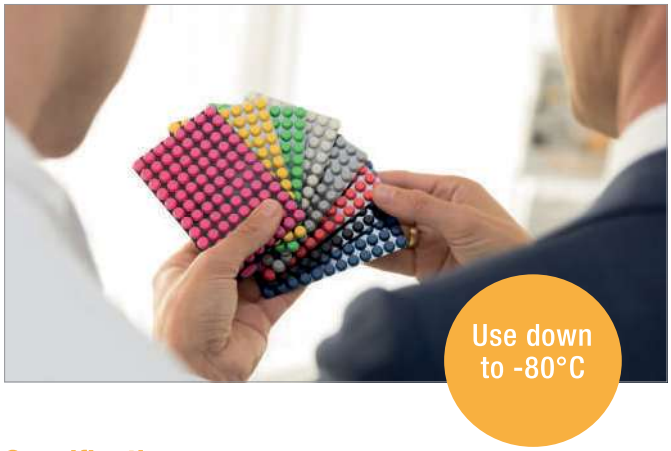
Ordering information

More information about product numbers and ordering, see page 74.

TPE PUSH CAPS
INTERNAL AND EXTERNAL THREAD

The TPE Push Caps are compatible with tubes in 96-well format (internal and external thread). Several TPE cap formats are available: the Capcluster-96 which leaves each tube individually capped, the Capmat-96 holds 96 caps in a fixed foil in which the tubes are sealed together, and the Capband-8 or -12 comes in a mat format with tear off lines to obtain cap strips.





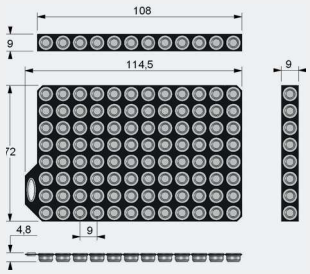
Superior features

- Caps can be pierced repeatedly without losing seal integrity
- Available in Natural and 12 different colors: Grey, White, Yellow, Orange, Red, Pink, Purple, Blue, Light Blue, Light Green, Green and Black (Capcluster-96)
- TPE Caps in Natural: manufactured from materials for medical or non-medical applications
- Capmats and Capclusters (patented) are compatible with tubes with internal and external thread in 96-format
- Economical solution storage at temperatures down to -80°C
- Resists chemical solvents
- Class 7 clean room production
- RNase/DNase and Pyrogen free
- Special TPE push cap for tubes with internal thread: **Lyo Caps-96**, which are specially developed for the lyophilization process as vents in the caps allow vapor to escape from the tubes

Additional options

- Decontamination using gamma irradiation or Eto treatment
- Precapped on Micronic tubes
- Split septum to pierce with a pipette tip

Specifications



Compatible with Push Cap and Screw Cap tubes from 0.30ml to 2.00ml	
Compatible with tubes in 96-well format	
Thermo Plastic Elastomer (Virgin)	
See drawing on the left	
Resistant to Chemical solvents	
-80°C to +100°C (without retaining foil)	

Ordering information

More information about product numbers and ordering, see page 75.

SCREW CAPS internal thread

from page 70

Catalog number	Description	Case Size
Screw Caps Classic for internally threaded tubes in 96-well format*		
MP53120	Screw Caps for internally threaded tubes in 96-well format - Grey	1 x 960 caps
MP53101	Screw Caps for internally threaded tubes in 96-well format - White	1 x 960 caps
MP53104	Screw Caps for internally threaded tubes in 96-well format - Yellow	1 x 960 caps
MP53130	Screw Caps for internally threaded tubes in 96-well format - Orange	1 x 960 caps
MP53102	Screw Caps for internally threaded tubes in 96-well format - Red	1 x 960 caps
MP53121	Screw Caps for internally threaded tubes in 96-well format - Pink	1 x 960 caps
MP53109	Screw Caps for internally threaded tubes in 96-well format - Purple	1 x 960 caps
MP53103	Screw Caps for internally threaded tubes in 96-well format - Blue	1 x 960 caps
MP53124	Screw Caps for internally threaded tubes in 96-well format - Light Blue	1 x 960 caps
MP53123	Screw Caps for internally threaded tubes in 96-well format - Light Green	1 x 960 caps
MP53105	Screw Caps for internally threaded tubes in 96-well format - Green	1 x 960 caps
MP53122	Screw Caps for internally threaded tubes in 96-well format - Black	1 x 960 caps
Screw Caps Ultra for internally threaded tubes in 96-well format		
MP53354	Screw Caps Ultra for internally threaded tubes in 96-well format - Yellow	1 x 960 caps
MP53352	Screw Caps Ultra for internally threaded tubes in 96-well format - Red	1 x 960 caps
MP53353	Screw Caps Ultra for internally threaded tubes in 96-well format - Blue	1 x 960 caps
MP53373	Screw Caps Ultra for internally threaded tubes in 96-well format - Light Green	1 x 960 caps

** Other item numbers are available for Screw Caps Low Profile in 96-format, Screw Caps in 48-format and Screw Caps in 24-format.*

SCREW CAPS external thread

from page 71

Catalog number	Description	Case Size
Screw Caps IG for externally threaded tubes in 96-well format		
MP53870	Screw Caps IG for externally threaded tubes in 96-well format - Transparent	1 x 960 caps
MP53871	Screw Caps IG for externally threaded tubes in 96-well format - Grey	1 x 960 caps
MP53872	Screw Caps IG for externally threaded tubes in 96-well format - White	1 x 960 caps
MP53873	Screw Caps IG for externally threaded tubes in 96-well format - Yellow	1 x 960 caps
MP53874	Screw Caps IG for externally threaded tubes in 96-well format - Orange	1 x 960 caps
MP53875	Screw Caps IG for externally threaded tubes in 96-well format - Red	1 x 960 caps
MP53876	Screw Caps IG for externally threaded tubes in 96-well format - Pink	1 x 960 caps
MP53877	Screw Caps IG for externally threaded tubes in 96-well format - Purple	1 x 960 caps
MP53878	Screw Caps IG for externally threaded tubes in 96-well format - Blue	1 x 960 caps
MP53879	Screw Caps IG for externally threaded tubes in 96-well format - Light Blue	1 x 960 caps
MP53880	Screw Caps IG for externally threaded tubes in 96-well format - Light Green	1 x 960 caps
MP53881	Screw Caps IG for externally threaded tubes in 96-well format - Green	1 x 960 caps
MP53882	Screw Caps IG for externally threaded tubes in 96-well format - Black	1 x 960 caps
Screw caps for externally threaded tubes in 96-well format*		
MP53825	Screw Caps for externally threaded tubes in 96-well format - Transparent	1 x 960 caps
MP53820	Screw Caps for externally threaded tubes in 96-well format - Grey	1 x 960 caps
MP53801	Screw Caps for externally threaded tubes in 96-well format - White	1 x 960 caps
MP53804	Screw Caps for externally threaded tubes in 96-well format - Yellow	1 x 960 caps
MP53800	Screw Caps for externally threaded tubes in 96-well format - Orange	1 x 960 caps

** Other colors are available for Screw Caps for 96-well format and other item numbers are available for Screw Caps for externally threaded tubes in 48- and 24-well format.*



Assembled in The Netherlands and the United States

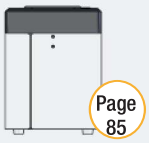
Continuous innovation in sample handling equipment

SAMPLE HANDLING EQUIPMENT

To enable fast, accurate and efficient sample identification, Micronic offers an extensive code reader range which consists of single tube scanners and whole rack scanners. The scanners can read coded 24-, 48- and 96-well format tubes. Micronic offers also a wide range of manual and automated capping and decapping equipment. These devices enable significant productivity gains to be made in the opening and closing of mulitple sample storage tubes. In addition, several sample management solutions are available that suit all throughput and budget needs.

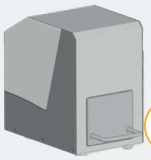
VIEW PRODUCTS ONLINE

OVERVIEW AND SPECIFICATIONS
CODE READERS

	TUBE READER DT520	RACK READER DR505	RACK READER DR710	RACK READER DR900
	 Page 82	 Page 83	 Page 84	 Page 85
Basic Features				
Imaging technology	CMOS	CIS	CCD	CMOS
Decode time	<1 second	1 second	1 second	2 seconds
Scan time	<1 second	5 seconds	7 seconds	2 seconds
Dimensions (mm)	90 x 80 x 95.4	265 x 186 x 70	309 x 230 x 87	170 x 145 x 193.5
Micronic Code Reader Software	n/a	Yes	Yes	Yes
Software compatibility				
Windows 11 and 10*	Yes	Yes	Yes	Yes
Connection	USB x 1	USB x 2	USB x 2	USB x 2
Output options				
Output text file	Yes	Yes	Yes	Yes
Configure output file	Yes	Yes	Yes	Yes
Export to Excel	Yes	Yes	Yes	Yes
ODBC Database push	n/a	Yes	Yes	Yes
User account independent	n/a	Yes	Yes	Yes
Network ready	n/a	Yes	Yes	Yes
TCP/IP Remote control	n/a	Yes	Yes	Yes
Tube / rack compatibility				
24-well format tube / rack	Yes	Yes	Yes	Yes
48-well format tube /rack	Yes	Yes	Yes	Yes
96-well format tube / rack	Yes	Yes	Yes	Yes
138-well format rack	Yes	No	Yes	Yes
Read all 2D Data-Matrix codes	Yes	Yes	Yes	Yes
Other features				
No tube, no code feature	n/a	Yes	Yes	Yes
Single tube reading	Yes	Yes	Yes	Yes
Rack templates	n/a	Yes	Yes	Yes
Anti-frost sytem	No	Yes	Yes	Yes
Robot gripper friendly	No	Yes	Yes	Yes
Linear barcode reading	Yes, tube & rack 1D code	Optional, 1D rack codes	Optional, 1D rack codes	Optional, 1D rack codes
Rack bottom ID (2D code) reading	Yes	Yes	Yes	Yes

* *Please contact us for compatibility with other Windows versions.*

OVERVIEW AND SPECIFICATIONS
CAPPERS & DECAPPERS

	PUSH CAP CAPPER CP400	PUSH CAP CAPPER CP600/610	PUSH CAP DECAPPER CP620	SCREW CAP RECAPPER CS100	SCREW CAP RECAPPER CS500	SCREW CAP RECAPPER CS700
	 Page 86	 Page 87	 Page 88	 Page 89	 Page 90	 Page 92
Basic Features						
Equipment type	Capper	Capper	Decapper	Recapper	Recapper	Recapper
Push or Screw Caps	Push Caps	Push Caps	Screw Caps	Screw Caps	Screw Caps	Screw Caps
Cycle time (whole rack)*	n/a	7 seconds	8 seconds	n/a	60 seconds	30 seconds
Dimensions (mm)	262 x 185 x 164	374 x 209 x 324	531 x 258 x 366	130 x 19	178 x 161 x 710	590 x 251 x 460
Adapters required	Yes	No	No	n/a	No	No
Voltage	n/a	115 - 230 V	115-230 V	n/a	115-230 V	115-230 V
Tube / rack compatibility						
24-well format tube / rack	No	No	No	Yes (CS120 model)	Yes (CS520 model)	Yes (CS720 model)
48-well format tube /rack	No	No	No	Yes (CS110 model)	Yes (CS510 model)	Yes (CS710 model)
96-well format tube / rack	Yes, up to 1.40ml	Yes, up to 1.40ml (CP600) up to 2.00ml (CP610)	Yes, up to 1.40ml	Yes (CS100 model)	Yes (CS500 model)	Yes CS700 model)
Other features						
Integration possibility	n/a	Yes	Yes	n/a	Yes	Yes
Type of system	Manual	Automated	Automated	Manual	Automated	Automated
Docking Station	n/a	n/a	n/a	n/a	Yes	n/a

* *The cycle time can vary depending on the tube type used.*



TUBE READER DT520
CODE READERS

The Micronic Tube Reader DT520 is high-speed code reading at its best. The DT520 is the most versatile single tube reader in the market - it reads 1D rack barcodes and 1D barcoded and 2D Data-Matrix coded tubes in less than a second. It is a plug-and-play reader that requires no software installation and is very easy to use.

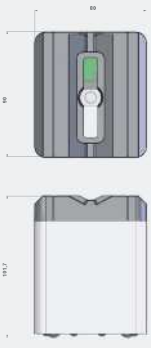




Superior features

- High-end sophisticated decoding engine
- Fully automated scan and decode feature
- No software installation required
- Scans and decodes 1D & 2D rack codes and 1D & 2D Data-Matrix coded tubes in less than a second
- Compatible with tubes in 96-, 48-, and 24-well format
- Small footprint
- Keyboard wedge functionality
- Correct code reads are indicated with a bleep
- USB connection (no power supply needed)
- Compatible with other suppliers of 1D and 2D barcoded tubes
- 5-year warranty

Specifications



	Compatible with tubes from 0.30ml to 6.00ml
	Compatible with Micronic tubes and tubes from other brands
	Scan time is < 1 second
	90 x 80 x 95.4 mm / 3.54 x 3.15 x 3.76 inch
	321 grams / 0.7 lbs
	5VDC 0.3A

Ordering information

More information about product numbers and ordering, see page 96.

RACK READER DR710
CODE READERS

The high-end Micronic Rack Reader DR710 read whole racks filled with 2D Data-Matrix coded tubes. The readers feature a CCD image sensor ensuring the highest accuracy 2D code reading. The DR710 has a uniquely designed active anti-frost system, which prevents the condensation of the scanning plate so that codes from frozen samples can be read.

Code reader





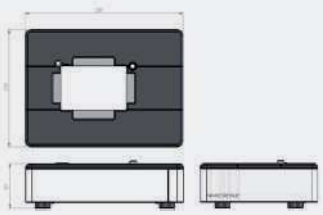
Superior features

- CCD image sensor for high resolution image quality
- Active anti-frost system which prevents condensation of frozen samples on the scanner plate
- Reads racks filled with tubes (in 138-, 96-, 48-, or 24-well format) in less than 7 seconds
- Reads a single tube (in 96-, 48-, or 24-well format) in less than 2 seconds
- Scans and decodes 2D Data-Matrix codes
- Small bench top solution
- Easy-to-use Code Reader Software (latest version)
- Outputs CSV-files (text)
- Compatible with most brands of 2D Data-Matrix coded tubes
- 5-year warranty

Additional options

- Integrated Micronic Side Barcode Reader

Specifications



Compatible with tubes from 0.30ml to 6.00ml	
Compatible with Micronic tubes and tubes from other brands	
7 seconds (whole rack) / 2 seconds (single tube)	
309 x 230 x 87 mm / 12.2 x 9.1 x 3.4 inch	
5.1 kg / 11.2 lbs (estimated)	
115 - 230 V	

Ordering information

More information about product numbers and ordering, see page 96.

VIEW PRODUCT ONLINE

PUSH CAP CAPPER CP400
CAPPERS & DECAPPERS

The Manual Micronic Push Cap Capper CP400 offers a cost effective way of applying uniform pressure to Push Caps in an entire 96 tubes rack in only a single action. Built to meet the varying needs of different users, the Push Cap Capper CP400 can seal full or partially full racks with the complete range of Micronic TPE or EVA style capmats, capbands and capclusters.





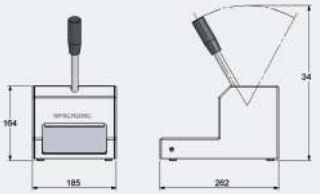
Superior features

- Caps tubes (up to 1.40ml) in all ANSI/SLAS format racks up to maximum height of 48.0mm
- Caps an entire 96-format rack in one single action with minimum force required
- Compact design and easy to use - no installation required
- Safe operation and even capping guaranteed
- Integrity of sample ensured
- Minimizes cross-contamination
- Works on full and partially-full racks
- Height adapters match customer's specifications
- Cost effective
- Robust and durable material
- Compatible with all Micronic push caps (TPE or EVA style capmats, capbands and capclusters)
- Compatible with other brands of tubes, caps, and racks

Additional options

- Adapters available for tubes from other brands

Specifications



	Compatible with tubes from 0.30ml to 1.40ml
	Compatible with Micronic tubes and tubes from other brands
	+/- 5 seconds (whole rack)
	262 x 185 x 164 mm / 10.4 x 7.3 x 2.8 inch
	7 kg / 15 lbs
	n/a

Ordering information

More information about product numbers and ordering, see page 96.

VIEW PRODUCT ONLINE

PUSH CAP CAPPER CP620
CAPPERS & DECAPPERS

With the ever-growing requirement for higher sample throughput in many laboratories the Micronic Push Cap Decapper CP620 enables significant productivity gains to be made in the opening of multiple sample storage tubes. The internal cap grippers are developed in such a way that cross-contamination is minimized.



Superior features

- No adapters required
- Decaps 96 tubes in 8 seconds
- Simple and safe operation
- Friendly user interface for an easy selection of tube sizes
- CE-approved and conforms to UL
- Operates stand-alone or in a fully automated environment
- Minimum cross-contamination
- Remote control via RS232
- Compatible with the Micronic range of 96-format internal thread tube (up to 1.40ml)
- Also compatible with other brands of tubes and caps



NEED ASSISTANCE?

We're committed to providing fast, customer focused support on all your technical enquiries. E-mail us at support@micronic.com or call +1 484 480 3372 (Micronic America) / +65 85 028 878 (Micronic Asia) / + 31 (0)320 277 099 (Micronic Europe), we'll be right there with you.

Specifications



Compatible with tubes up to 1.40ml	
Compatible with Micronic tubes and tubes from other brands	
10-15 seconds (whole rack)	
531 x 258 x 366 mm / 20.9 x 10.2 x 14.4 inch	
25 kg / 55 lbs	
115 - 230 V	

Ordering information

More information about product numbers and ordering, see page 96.

SCREW CAP RECAPPER CS500
CAPPERS & DECAPPERS

The Micronic Screw Cap Recapper CS500 line is developed in conjunction with several leading laboratories. The handheld device offers users the ability to cap, decap or recap a row of 8 (CS500 model), 6 (CS510 model) or 4 (CS520 model) tubes in less than 5 seconds - 10 times faster than by hand! Thereby, minimizing sample evaporation and significantly improving productivity.





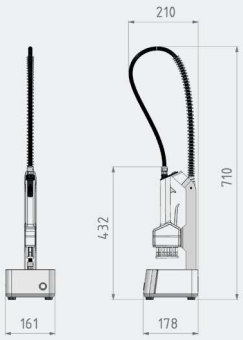
Superior features

- Highly durable solution to cap, decap or recap a row of 8, 6 or 4 tubes at once
- Each screw cap is reproducibly tightened securely and uniformly
- Caps a row of 8 tubes in 5 seconds and a whole rack of 96 tubes in only 1 minute - 10 times faster than by hand!
- Minimizes contamination
- Easy positioning of screw caps above the tubes
- Ergonomic lightweight solution for left and right handed use
- Caps can be easily discarded using the large ejection handle
- Very small footprint for bench top use
- No need for battery recharging
- Models available for Micronic 96-, 48- and 24-well format Screw Caps, as well as caps from other brands

Additional options

- Docking station for CS500 line

Specifications



	Compatible with tubes from 0.30ml to 6.00ml
	Compatible with Micronic tubes and tubes from other brands
	<5 seconds (per row)
	178 x 161 x 710 mm / 7.01 x 6.34 x 27.95 inch
	5.5 kg / 12.0 lbs
	115 - 230 V

Ordering information

More information about product numbers and ordering, see page 97.

SCREW CAP RECAPPER CS700
CAPPERS & DECAPPERS

The Micronic Screw Cap Recapper CS700 line offers users the ability to cap, decap or recap 96 (model CS700), 48 (model CS710) or 24 (model CS720) tubes with Screw Caps in a single action. Designed to improve efficiency, the Micronic Screw Cap Recapper can be used as a stand-alone instrument or be simply integrated into a fully automated laboratory environment.





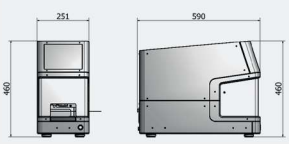
Superior features

- Extremely durable design for reliable operation
- Caps, decaps or recaps 96 Screw Cap tubes at once in less than 30 seconds
- Compatible with the complete Micronic range of 96-well format tubes (up to 2.00ml)
- Precise torque value for optimal sealing quality
- No adapters required
- Easy-to-use graphical touch screen interface
- Operates stand-alone or in a fully automated environment
- Sensor cap detection that enhances process safety for automation
- Ethernet connection provides many possibilities for different communication protocols
- Models available for Micronic 96-, 48-, and 24-well format Screw Caps, as well as caps from other brands

"It's a very smoothly running, easy to use and silent device. I also think it is a great benefit that the Screw Cap Recapper is contamination-free."

- Radboud UMC

Specifications



Compatible with tubes from 0.30ml to 6.00ml	
Compatible with Micronic tubes and tubes from other brands	
30 seconds (whole rack)	
590 x 251 x 460 mm / 23.2 x 9.9 x 18.1 inch	
38 kg / 84 lbs	
115 - 230 V	

Ordering information

More information about product numbers and ordering, see page 97.

TUBE HANDLER HT500
SAMPLE MANAGEMENT SYSTEMS

The Tube Handler HT500 is an affordable sample management system that sorts your valuable liquid and solid samples. The device can be used to pick specific specimens from a large group of samples. The HT500 has a total rack capacity of 20 racks, specify at least one target rack and one source rack per run.



Superior features

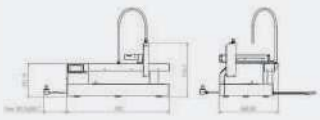
- Total rack capacity: 20
- Fast pick & place operation of approx. 400 tubes per hour
- 2D code reading and 1D code reading (source and target rack)
- Easy to navigate and intuitive interface
- Semi-automatic linking between rack ID and rack position
- Loading CSV-file pick list from USB thumb drive
- Output CSV-file of rack content
- Seperate safety stop ensures sample/product protection
- Compatible with Micronic racks (ANSI/SLAS standard)
- Compatible with 0.30ml, 0.40ml, 0.50ml, 0.75ml, 0.80ml, 1.10ml and 1.40ml Micronic tubes



Additional options

- Contact us for compatibility with other brands

Specifications



	Compatible with tubes from 0.30ml to 1.40ml
	Compatible with Micronic tubes in 96-well format
	Sort tubes from a total capacity of 20 racks
	666 x 1153 x 604 mm / 24.88 x 23.78 x 23.74 inch
	60 kg / 132 lbs
	230 V

Ordering information

More information about product numbers and ordering, see page 97.

VIEW PRODUCT ONLINE

TUBE readers

from page 82

Catalog number	Description	Case Size
Single Tube Readers		
MP55129	Micronic Tube Reader DT520	1 unit

RACK readers

from page 83-85

Catalog number	Description	Case Size
Single Rack Readers and Accessories		
MP35221	Micronic Rack Reader DR505	1 unit
MP35232	Micronic Rack Reader DR710	1 unit
MP35231	Micronic Rack Reader DR900	1 unit
MP35240	Micronic Side Barcode Reader for DR500 line	1 unit
MP35250	Micronic Side Barcode Reader for DR700 line	1 unit
MP35270	Micronic Side Barcode Reader for DR900 line	1 unit
MP35261	Micronic Rack Reader DR505 & Side Barcode Reader Pack	1 unit
MP35263	Micronic Rack Reader DR710 & Side Barcode Reader Pack	1 unit

MANUAL push cap cappers

from page 86

Catalog number	Description	Case Size
Manual Push Cap Cappers		
MP35050	Micronic Push Cap Capper CP400 (including 1 adapter of your choice)	1 unit
MP35054	Micronic 0.50ml Adapter for Push Cap Capper CP400	1 unit
MP35053	Micronic 0.75ml Adapter for Push Cap Capper CP400	1 unit
MP35052	Micronic 1.10ml Adapter for Push Cap Capper CP400	1 unit
MP35051	Micronic 1.40ml Adapter for Push Cap Capper CP400	1 unit

** Additional item numbers are available for the 0.40ml and 0.80ml CP400 adapters, as well as for adapters compatible with external thread tubes.*

ELECTRIC push cap (de)cappers

from page 87-88

Catalog number	Description	Case Size
Electric Push Cap Cappers		
MP35020	Micronic Push Cap Capper CP600 for tube sizes up to 1.40ml in 96-format	1 unit
MP35021	Micronic Push Cap Capper CP610 for tube sizes up to 2.00ml in 96-format	1 unit
Electric Push Cap Decappers		
MP35000	Micronic Push Cap Decapper CP620 for tube sizes up to 1.40ml in 96-format	1 unit

SCREW CAP recappers

from page 89

Catalog number	Description	Case Size
Screw Cap Recappers CS100 Line		
MP35480	Micronic Screw Cap Recapper CS100 for Micronic Screw Caps (TRE)	1 piece
MP35481	Micronic Screw Cap Recapper CS100 for Micronic Screw Caps (TRI)	1 piece
MP35482	Micronic Screw Cap Recapper CS100 for Micronic Low Profile Screw Caps (TRI)	1 piece
MP35490	Micronic Screw Cap Recapper CS110 for Micronic Screw Caps (TRE)	1 piece
MP35491	Micronic Screw Cap Recapper CS110 for Micronic Screw Caps (TRI)	1 piece



Serving scientists since 1984

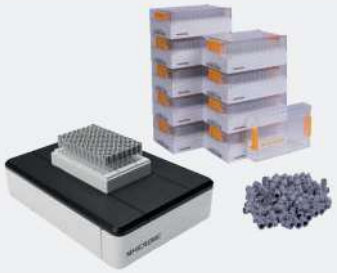
Certified Class 7 clean room manu-facturing

SAMPLE STORAGE STARTER PACKS

Everything you need to get started with using 2D coded tubes to track and store your valuable samples. Micronic offers a fully traceable storage solution at a low cost. Buying the starter pack can save you up to 20% compared to buying the products individually. Since the amount of stored samples differs laboratory by laboratory, Micronic offers starter packs in a range of sizes: basic, standard, advanced, premium and premium+.

Everything you need

VIEW PRODUCTS ONLINE

	SAMPLE STORAGE STARTER PACK BASIC	SAMPLE STORAGE STARTER PACK STANDARD
STARTER PACKS WITH SCREW CAPS		
10 racks filled with 2D coded tubes (internal and external thread)	Yes (0.75ml / 1.40ml)	Yes (0.75ml / 1.40ml)
40 racks filled with 2D coded tubes (internal and external thread)	No	No
Screw Caps in Grey to cap 10 racks with tubes	Yes	Yes
Screw Caps in Grey to cap 40 racks with tubes	No	No
Micronic Tube Reader DT520	Yes	No
Micronic Rack Reader DR505	No	Yes
Micronic Side Barcode Reader for DR500 line	No	No
Micronic Screw Cap Recapper CS500	No	No
Manual decapping tool	Yes	Yes
STARTER PACKS WITH PUSH CAPS		
10 racks filled with 2D coded tubes (internal thread)	Yes (0.75ml / 1.40ml)	Yes (0.75ml / 1.40ml)
40 racks filled with 2D coded tubes (internal thread)	No	No
TPE Caps in Grey to cap 10 racks with tubes	Yes	Yes
TPE Caps in Grey to cap 40 racks with tubes	No	No
Micronic Tube Reader DT520	Yes	No
Micronic Rack Reader DR710	No	No
Micronic Rack Reader DR505	No	Yes
Micronic Side Barcode Reader for DR700 line	No	No
Micronic Push Cap Capper CP400	No	No
Micronic Push Cap Capper CP600	No	No
Manual decapping tool	Yes	Yes

Innovation at Micronic

Industry leaders since 1984, Micronic serves scientists with sample storage and automation solutions. At Micronic, advancing scientific research to enhance quality of life is our corporate goal and to achieve this we make innovation and quality a priority. We engage in various innovative processes within our organization, like product development and customer focused lean manufacturing systems, in order to create new and improved products, solutions and services that provide radically better customer experiences. Our premium labware and precision engineered equipment is developed and manufactured in-house. This core competence gives us the opportunity to offer top-of-the-line products, delivering exceptional quality, reliability and durability. Above all, we stand behind our solutions and are confident that you will too.





Activities

Custom projects

Research & Development

The primary goal of our Research & Development (R&D) department is to develop new products, and to optimize existing ones. Another fundamental task of the team is to discover and create new knowledge about scientific and technological topics for the purpose of uncovering and enabling development of valuable new products, processes and services. At Micronic, we utilize a technology driven system in which R&D is directed towards developing those products, indicated by means of market research, that will meet an unmet need. By developing and manufacturing our products in-house, we have all first-hand high-tech manufacturing and R&D knowledge necessary to quickly adapt to developments in the market.

Custom projects

To help you find the best solutions for your sample storage needs, we are open to OEM developments and customer specific requests. If you have any suggestions about new or improved sample storage products, please contact us at sales@micronic.com. Micronic can offer you highly/academically trained personnel, knowledge in materials and injection mold development, technical and electrical knowledge, and a large network of suppliers. Our R&D department has also access to the following facilities: 3D CAD engineering, printing/plotting machines, a test facility with injection molding machines, a technical department for prototyping and modifications, and a laboratory testing facility.

Quality commitment

Manufactured following industry leading strict tolerances, the precision and tube-to-tube consistency of Micronic labware optimizes the compatibility with automated sample handling equipment. The materials and auxiliary agents used to manufacture our sample storage labware are FDA compliant and are selected on quality and the highest purity levels. In addition to our high manufacturing and material standards, we also engage in extensive product testing. When new or improved products are developed, they undergo several tests during the process to fine-tune the product and to create the most optimal solution for specific customer applications. A wide range of tests are con-

To the best of our knowledge, the information contained herein is accurate and reliable. However, Micronic does not make any express or implied representation or warranty as to the accuracy or completeness of the information. It is the user's responsibility to inspect and test the Micronic products in order to satisfy itself as to the suitability of the products for its particular purpose. The user is responsible for the appropriate, safe and legal use, processing and handling of the Micronic products.

WHERE TO BUY



Micronic America
North, Central and South America
Tel: +1 484 480 3372

Micronic Asia
Asia and Pacific
Tel: +65 85 028 878

Micronic Europe
Africa, Middle East, Europe
Tel: +31 (0)320 277070

E-mail: sales@micronic.com
www.micronic.com

MICRONIC
INNOVATION IN SAMPLE STORAGE

© 2025 Micronic. All rights reserved. Specifications are subject to change. [PD802315]
Please consult your local sales representative for more details.