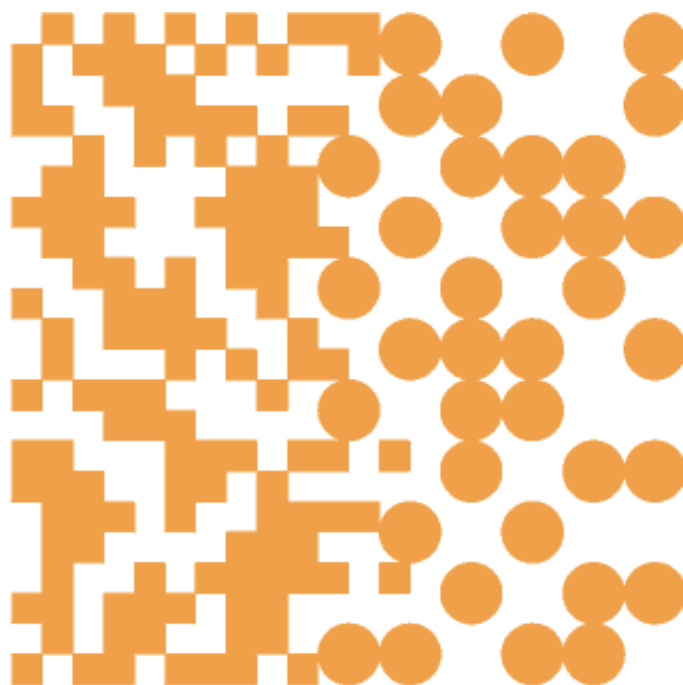




MICRONIC

Traceable Sampling Solutions

2010 Micronic North America Sample Storage Catalog

**A Complete Sample Storage Solution
for Your Laboratory**

Quality Statement



Policy of Quality

Micronic has been dedicated to the design and production of innovative sample storage tubes and accessories for over 25 years. Our highly trained staff provides the highest level of quality and service for all of our customers.

Quality

Micronic's ISO 9001- and ISO 14001-approved, state-of-the-art manufacturing facility provides a wide range of services and production techniques. As with all products manufactured in Class 10,000 (Class 7) cleanrooms, high product quality and consistency is a company philosophy.

For storing biologically-sensitive samples, all Micronic products are RNase, DNase, and pyrogen free. A third party testing agency certifies that all Micronic tubes and caps are RNase/DNase/pyrogen free. Items are also available sterilized through gamma irradiation.

Only materials of the highest purity are selected in production of Micronic products.

FDA Approvals

Micronic products meet the (USA) USP XXII tests, including VI (medical approved). In compliance to the European Pharmacopoeia-monograph 3.2.2, Micronic products are safe to use in food, pharmaceutical, and cosmetic applications in regard to BSE and TSE transmissions. No heavy metals are used in production of Micronic products. Also, no recycled material or mold releases are used in production.

Function Control

Micronic 2D barcodes are 100% quality controlled on the following parameters:

TraXis/Tracker - number sequence within a rack and rotation of the rack

Number sequence - uniqueness of tube number

Tracker quality - data, vertical code displacement, Data Matrix width and height, contrast, error bits, damage percentage, bordermatch, threshold.

The TraXis code is universally unique; the Micronic Data Matrix code (Tracker) is a unique sequence that is available customized, identifiable by a unique article number.

Another unique sequence produced by Micronic is the barcode sequence. Customized sequences are available, and they are identified by their own unique article number.

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Micronic Glossary of Terms

- **2D Barcode**: Method of sample tracing that employs a Data Matrix-type barcode on sample storage tubes, readers and scanners that decode them and translate them into data. Micronic 2D barcode options include TraXis (dot-style symbology) and Tracker (dot symbology and human-readable code).
- **Capband**: TPE (thermo plastic elastomer) cap configuration of 8 or 12 caps arranged on a strip to cap single rows or columns of tubes. Backing is permanent to keep tubes together and to cap them simultaneously. Capbands are packaged in capmat format. Available sterilized and in seven colors.
- **Capcluster**: TPE (thermo plastic elastomer) cap configuration of 96 caps arranged on a removable backing to allow tubes to separate yet to cap a full rack simultaneously. Available in eleven colors and sterilized.
- **Capmat**: TPE (thermo plastic elastomer) cap configuration of 96 caps arranged on a non-removable backing to keep tubes together and allow them to be capped simultaneously. Available in eleven colors and sterilized.
- **Capmatsealer**: Micronic manual capping device that caps full racks of 96 tubes with capmats at the push of a roller. 1.40ml tubes are standard; adapters are needed for smaller tube sizes.
- **Class 7 Clean Room**: Classification of production areas in which Micronic products are produced; clean room environments have a low level of pollutants such as dust, airborne microbes, aerosol particles and chemical vapors. Clean room contamination is controlled and specified by the number of particles per cubic meter at a specified particle size.
- **CoMo Rack**: Micronic polycarbonate rack available with 96 wells for tube volumes of 1.10 ml and 1.40 ml, or with 24 wells to accommodate Micronic 7.50 ml tubes. Stronger material allows for more instances of autoclaving. Available pre-barcoded for easier identification.
- **EVA**: Translucent ethylene vinyl acetate, with a working temperature range of -40°C to 80°C. RNase and DNase free, and available sterile (gamma irradiated). Fits most 8x12 plates.
- **Gamma irradiation**: Method of sterilization for Micronic products using gamma waves from a Cobalt-60 source.
- **Gross volume**: Total volume a tube can hold while uncapped (Micronic tubes are classified in size by a rounding of their gross volume).
- **Keyboard wedge**: Feature of the Hand Held Wireless Scanner that allows it to be plugged into any computer and interface with it, without needing any software or installation -- data automatically gets transferred to any open program.
- **Laser-etched**: Method by which Micronic tubes are coded; code is produced by using a high-powered laser to burn into the product's surface. Mark or code is permanent.
- **LoBo Rack-96**: Micronic 96-well polypropylene storage rack for tube volumes of 0.50 ml and 0.75 ml, featuring 'sure-shot' wells that ensure smooth rack loading and an open-air bottom for quicker and more even freeze/thaw cycles. 'Twist-lock' wells prevent screw cap tubes from turning during capping. Available pre-barcoded for easier identification.
- **Net volume**: Highest volume a tube can hold while capped. Tubes capped with pushcap-style caps (TPE/EVA caps) have a higher net volume than tubes capped with screw caps.

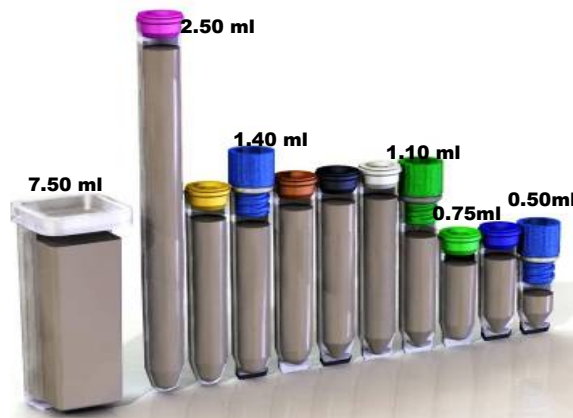
Micronic Glossary of Terms

- **Refill carrier-96**: Micronic 96-well rack-refilling tubeholder that is pre-loaded with refill tubes and allows smooth transition into empty racks. Available in 0.75 ml, 1.10 ml, and 1.40 ml volumes and with non coded, Alphanumeric, Tracker, and TraXis tubes.
- **RoBo Rack-96**: Micronic 96-well polypropylene storage rack for tube volumes of 1.10 ml, 1.40 ml, and 2.50 ml, designed with smooth bottom edges for assistance with automation. Also features 'sure-shot' wells that ensure smooth rack loading and open-air bottom for quicker and more even freeze/thaw cycles. 'Twist-lock' wells prevent screw cap tubes from turning during capping. Available pre-barcoded for easier identification.
- **SampleWare**: LIMS software that simplifies sample data storage by providing a customizable setup, detailed searches, and sharing of data across networks.
- **Screw Caps**: Twist-closure capping option that is ideal for ultra low-temperature storage (working temperature range: -180°C to 121°C). Compatible with all sizes of Micronic screw cap tubes (0.50 ml, 0.75 ml, 1.10 ml, and 1.40 ml volumes). Silicone "O" rings provide ultra-tight sealing in one turn. RNase and DNase free and available sterile (gamma irradiated). Screw caps are available in six colors: transparent blue, white, green, yellow, red, and blue.
- **Snap Tubes**: Micronic tubes that feature a novel locking device which allows them to be "snapped" into their wells within a Micronic LoBo (0.50 ml and 0.75 ml volumes) or RoBo Rack (1.10 ml and 1.40 ml volumes). Once "snapped," tubes cannot be removed from their wells, even if the rack is turned upside-down, preventing sample loss. Gentle upward pressure from the bottom of the rack releases tubes into their wells.
- **Split Cap**: TPE (thermo plastic elastomer) cap with a split septum to allow for easier piercing with pipette tips. Configured in capmat format (solid backing that keeps all 96 tubes together). Available sterilized and in eleven colors.
- **StaBo Rack-96**: Micronic 96-well polypropylene rack for tube volumes 1.10 ml, 1.40 ml, and 2.50 ml. Footed for improved under-rack airflow for freeze/thaw cycles. Available pre-barcoded for easier identification.
- **TPE**: Thermo plastic elastomer, material out of which Micronic TPE caps are made. Improved elastomer provides a tight seal and improved pierceability. Working temperature range: -80°C to 80°C (120° without retaining film). Available in eleven colors. RNase and DNase free and available sterile (gamma irradiated). Available split for easier piercing with a pipette tip.
- **Tracker**: Micronic line of 2D Data Matrix barcoded sample storage products, featuring a laser-etched, permanent 2D barcode with human-readable code below. Barcode is solvent-resistant and can withstand wear and tear that labeled barcoded tubes cannot. Available on tubes in 0.50 ml, 0.75 ml, 1.10 ml, 1.40 ml, and 7.50 ml volumes.
- **TraXis**: Unique Micronic line of 2D barcoded sample storage products, also laser-etched and permanent, and capable of withstanding solvent attack and excessive wear and tear. Available on tubes in 0.50 ml, 0.75 ml, 1.10 ml, and 1.40 ml volumes. (Please contact us for pricing)
- **Volume Check**: Non-contacting liquid-level measurement that accurately reads the volumes of tubes in a 96-well format, as well as 12, 24, and 48-well SBS formats.

Micronic Tubes

Features and Benefits:

- Class 10,000 clean-room production
- RNase/DNase/pyrogen free -- suitable for the most sensitive biological samples
- Double rings at top interior of tubes securely hold caps in place and prevent popping during freeze/thaw cycles
- Available in U-bottom or V-bottom interior shapes
- 100% quality control on all 2D codes
- Barcodes are laser-etched and are **permanent**, resisting solvent attack and wear
- 2D barcodes also have a human-readable code
- **All** Micronic sample storage tubes are available sterile (gamma irradiated)



L-R: non-coded, Alphanumeric, Tracker 2D barcoded, and TraXis 2D barcoded tubes

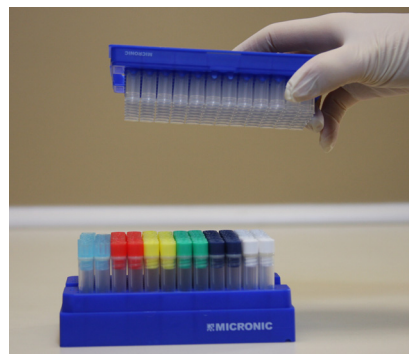
Coding Options for Sample Traceability

Features and Benefits of Micronic Codes:

- Options include: non-coded, Alphanumeric, Tracker 2D barcoded and TraXis 2D barcoded
- Micronic is the only manufacturer to laser encrypt the solid polypropylene code area, guaranteeing the highest resistance to solvent attack and wear
- Tracker and TraXis barcodes are fully integrated into the tube's surface, so the code will not fade or peel over time
- An entire line of Micronic barcode readers and scanners are available to assist you with tracking and organizing your sample data

NEW Snap Tubes

- Prevent sample loss from everyday accidents
- Novel locking feature holds tubes securely in their wells -- tubes remain in the rack even when it is turned upside-down
- Downward pressure locks tubes, and upward pressure releases tubes in their wells
- "Snap" option is available on Micronic 0.50 ml - 1.40 ml tubes in LoBo or RoBo Racks



NEW Flat Exterior-Bottom Tubes

- Easier to read and identify than round-bottom tubes (right)
- Available in sizes 0.50 ml - 1.40 ml
- Also available as screw cap tubes for ultra low temperature sample storage
- Interior bottom shape allows for lowest dead volume and maximum sample recovery

NEW White-Background Alphanumeric Coding

- Contrasting print improves readability and reduces manual reading errors
- Ideal for use with colored samples (such as blood), which make it difficult to read black print on transparent tubes
- Smooth external bottom is suitable for automation
- Available on Micronic Alphanumeric tubes, sizes 0.50 ml - 1.40 ml, as well as on TPE or screw cap tubes



Micronic Tubes



Micronic Screw Cap Tubes:

- Available in 0.50 ml, 0.75 ml, 1.10 ml, and 1.40 ml volumes
- Screw cap tubes are also compatible with Micronic TPE Caps
- Ideal for ultra low temperature storage: (-180°C to 121°C range)
- Available non-coded, alphanumeric, and 2D barcoded (TraXis or Tracker) and with the new snap feature
- One turn capping for tight, protective seals
- Screw caps available in six different colors for differentiation (white, red, green, yellow, blue, and transparent blue)
- Micronic LoBo and RoBo Racks feature 'Twist-Lock' wells, to prevent tubes from turning while screw-capping or decapping
- All Micronic tubes and caps are RNase, DNase, and pyrogen free, and are also available sterile (gamma irradiated)

COMING SOON

White Patch for Sample Labeling:

- Improved surface for writing or labeling
- Available on all tube sizes
- Permanent coating, integrated into tube surface
- Compatible with standard lab pens and TubeWriter (see page 28)



COMING SOON

Permanent Laser-Etched Rack Barcoding:

- Integrated into surface of rack, no peeling or fading
- Compatible with all barcode readers
- Barcode is customizable for your application

Save Precious Freezer Space with Micronic Tubes and Racks

**Micronic tubes and racks can more than
double or triple the amount of samples stored in your
laboratory's freezers!**

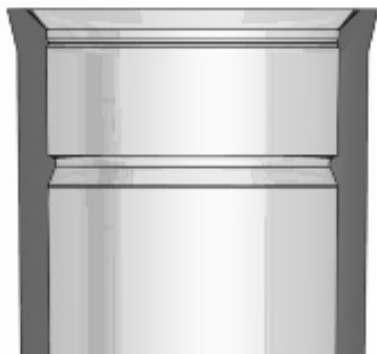
Benefits:

- Wide range of tube sizes: 0.50 ml, 0.75 ml, 1.10 ml, 1.40 ml, 2.50 ml, and 7.50 ml
- Compatible with Micronic EVA, TPE, or screw cap capping ranges (Screw cap tubes also fit TPE caps)
- All Micronic tubes and racks are RNase, DNase, and pyrogen free, and are available sterile (gamma irradiated)



Rack Type	Freezer Racks per Freezer	Racks per Freezer Rack	Total Racks per Freezer	Tubes per Rack	Total Tube Storage
Standard 9x9 box	36	11	396	81	32,076
Micronic RoBo Rack-96 (for 1.10 ml and 1.40 ml tubes)	54	12	648	96	57,024
Micronic LoBo Rack-96 (for 0.50 ml and 0.75 ml tubes)	54	16	864	96	82,944

Micronic Tubes



Micronic Interior Double Rings:

- Only Micronic tubes have double rings at the top inside of the tubes
- Allows a secure hold of TPE caps in place and prevents them from popping off during freeze / thaw cycles or piercing



Micronic Interior Bottom Shapes:

- Available U-bottom (left) or V-bottom (right)

0.50 ml Tubes (Gross Volume 0.49 ml, Net Volume 0.27 ml with push cap and 0.19 ml with screw cap)

(Please contact us for TraXis pricing)

Product #	Description	Quantity	Price
Screw Cap Tubes Without Cap			
1773-2040	0.50 ml Non coded Screw Cap tubes V-bottom Bulk Pack	960 tubes	40.00
1753-2040	0.50 ml Non coded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	40.00
1773-2041	0.50 ml Non coded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	215.00
MP32041L	0.50 ml Non coded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	215.00
1774-2049	0.50 ml Alphanumeric Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	243.00
MP42049L	0.50 ml Alphanumeric Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	243.00
1775-2326	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom Bulk Pack	960 tubes	226.00
MP52326L	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	226.00
1775-2325	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	447.00
MP52325L	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	447.00

Product #	Description	Quantity	Price
Precapped With Screw Caps			
1783-2045	0.50 ml Non coded Screw Cap tubes V-bottom Bulk Pack	960 tubes	356.00
MP32040LZ6	0.50 ml Non coded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	356.00
1783-2046	0.50 ml Non coded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	492.00
MP32041LZ6	0.50 ml Non coded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	492.00
1784-2050	0.50 ml Alphanumeric Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	561.00
MP42049LZ6	0.50 ml Alphanumeric Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	561.00

Prices are subject to change without notice.

Micronic Tubes

0.50 ml Tubes Continued (Gross Volume 0.49 ml, Net Volume 0.27 ml with push cap and 0.19 ml with screw cap) *(Please contact us for TraXis pricing)*

Product #	Description	Quantity	Price
Precapped With Screw Caps			
1785-2332	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom Bulk Pack	960 tubes	587.00
MP52326LZ6	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	587.00
MP52325PKZ6	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	742.00
1785-2331	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	742.00

Product #	Description	Quantity	Price
Precapped With TPE Caps			
MP32041X1	0.50 ml Non coded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	313.00
MP32041LX1	0.50 ml Non coded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	313.00
MP42049X1	0.50 ml Alphanumeric Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	342.00
MP42049LX1	0.50 ml Alphanumeric Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	342.00
MP52325X1	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	544.00
MP52325LX1	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	544.00

0.75 ml Tubes (Gross Volume 0.75 ml, Net Volume 0.52 ml with push cap and 0.43 ml with screw cap) *(Please contact us for TraXis pricing)*

Product #	Description	Quantity	Price
Screw Cap Tubes Without Cap			
MP32069	0.75 ml Non coded Screw Cap tubes V-bottom Bulk Pack	960 tubes	40.00
MP32069L	0.75 ml Non coded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	40.00
MP32070	0.75 ml Non coded Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	60.00
MP32071	0.75 ml Non coded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	215.00
MP32071L	0.75 ml Non coded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	215.00
MP42067	0.75 ml Alphanumeric Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	78.00
MP42068	0.75 ml Alphanumeric Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	243.00
MP42068L	0.75 ml Alphanumeric Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	243.00
MP52349	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom Bulk Pack	960 tubes	226.00
MP52349L	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	226.00
MP52350	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	278.00
MP52351	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	447.00
MP52351L	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	447.00

Precapped With Screw Caps

MP32069Z6	0.75 ml Non coded Screw Cap tubes V-bottom Bulk Pack	960 tubes	356.00
MP32069LZ6	0.75 ml Non coded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	356.00
MP32070Z6	0.75 ml Non coded Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	402.00
MP32071Z6	0.75 ml Non coded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	511.00
MP32071LZ6	0.75 ml Non coded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	511.00
MP42067Z6	0.75 ml Alphanumeric Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	430.00
MP42068Z6	0.75 ml Alphanumeric Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	539.00
MP42068LZ6	0.75 ml Alphanumeric Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	539.00

Micronic Tubes

0.75 ml Tubes Continued (Gross Volume 0.75 ml, Net Volume 0.52 ml with push cap and 0.43 ml with screw cap) *(Please contact us for TraXis pricing)*

Product #	Description	Quantity	Price
Precapped With Screw Caps			
MP52349Z6	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom Bulk Pack	960 tubes	587.00
MP52349LZ6	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	587.00
MP52350Z6	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	633.00
MP52351Z6	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom in LoBo Rack-96 Pack	10 racks	742.00
MP52351LZ6	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	742.00

Product #	Description	Quantity	Price
Standard Tubes in Bulk, Refill, and Rack			
MP32016	0.75 ml Non coded tubes U-bottom Bulk Pack	960 tubes	40.00
MP32016L	0.75 ml Non coded tubes U-bottom Snap Bulk Pack	960 tubes	40.00
MP32018	0.75 ml Non coded tubes U-bottom in refill carrier-96 Pack	10 racks	60.00
MP32006	0.75 ml Non coded tubes U-bottom in LoBo Rack-96 Pack	10 racks	215.00
MP32006L	0.75 ml Non coded tubes U-bottom Snap in LoBo Rack-96 Pack	10 racks	215.00
MP42021	0.75 ml Alphanumeric tubes U-bottom in refill carrier-96 Pack	10 refills	78.00
1774-2011	0.75 ml Alphanumeric tubes U-bottom in LoBo Rack-96 Pack	10 racks	243.00
MP42011L	0.75 ml Alphanumeric tubes U-bottom Snap in LoBo Rack-96 Pack	10 racks	243.00
MP52304	0.75 ml Tracker 2D barcoded tubes U-bottom Bulk Pack	960 tubes	220.00
MP52304L	0.75 ml Tracker 2D barcoded tubes U-bottom Snap Bulk Pack	960 tubes	220.00
MP52305	0.75 ml Tracker 2D barcoded tubes U-bottom in refill carrier-96 Pack	10 refills	278.00
MP52300	0.75 ml Tracker 2D barcoded tubes U-bottom in LoBo Rack-96 Pack	10 racks	447.00
MP52300L	0.75 ml Tracker 2D barcoded tubes U-bottom Snap in LoBo Rack-96 Pack	10 racks	447.00
1773-2017	0.75 ml Non coded tubes V-bottom Bulk Pack	960 tubes	40.00
MP32017L	0.75 ml Non coded tubes V-bottom Snap Bulk Pack	960 tubes	40.00
1773-2019	0.75 ml Non coded tubes V-bottom in refill carrier-96 Pack	10 refills	60.00
1773-2008	0.75 ml Non coded tubes V-bottom in LoBo Rack-96 Pack	10 racks	215.00
MP32008L	0.75 ml Non coded tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	215.00
1773-2027	0.75 ml Non coded tubes Black V-bottom in LoBo Rack-96 Pack	10 racks	236.00
MP32027L	0.75 ml Non coded tubes Black V-bottom Snap in LoBo Rack-96 Pack	10 racks	236.00
1774-2022	0.75 ml Alphanumeric tubes V-bottom in refill carrier-96 Pack	10 refills	78.00
1774-2013	0.75 ml Alphanumeric tubes V-bottom in LoBo Rack-96 Pack	10 racks	243.00
MP42013L	0.75 ml Alphanumeric tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	243.00
1775-2027	0.75 ml Tracker 2D barcoded tubes V-bottom Bulk Pack	960 tubes	226.00
MP52027L	0.75 ml Tracker 2D barcoded tubes V-bottom Snap Bulk Pack	960 tubes	226.00
1775-2035	0.75 ml Tracker 2D barcoded tubes V-bottom in refill carrier-96 Pack	10 refills	278.00
1775-2020	0.75 ml Tracker 2D barcoded tubes V-bottom in LoBo Rack-96 Pack	10 racks	447.00

Prices are subject to change without notice.

Micronic Tubes

0.75 ml Tubes Continued (Gross Volume 0.75 ml, Net Volume 0.52 ml with push cap and 0.43 ml with screw cap) *(Please contact us for TraXis pricing)*

Product #	Description	Quantity	Price
Precapped with TPE Caps			
MP32008X1	0.75 ml Non coded tubes V-bottom in LoBo Rack-96 Pack	10 racks	313.00
MP32008LX1	0.75 ml Non coded tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	313.00
MP42013X1	0.75 ml Alphanumeric tubes V-bottom in LoBo Rack-96 Pack	10 racks	342.00
MP42013LX1	0.75 ml Alphanumeric tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	342.00
MP52020X1	0.75 ml Tracker 2D barcoded tubes V-bottom in LoBo Rack-96 Pack	10 racks	544.00
MP52020LX1	0.75 ml Tracker 2D barcoded tubes V-bottom Snap in LoBo Rack-96 Pack	10 racks	544.00

Precapped with TPE Caps

1.10 ml Tubes (Gross Volume 1.09 ml, Net Volume 0.87 ml with push cap and 0.78 ml with screw cap) *(Please contact us for TraXis pricing)*

Product #	Description	Quantity	Price
Screw Cap Tubes Without Caps			
1773-2033	1.10 ml Non coded Screw Cap tubes V-bottom Bulk Pack	960 tubes	40.00
MP32033L	1.10 ml Non coded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	40.00
1773-2047	1.10 ml Non coded Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	60.00
1773-2034	1.10 ml Non coded Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	215.00
MP32034L	1.10 ml Non coded Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	215.00
MP42051	1.10 ml Alphanumeric Screw Cap tubes V-bottom Snap in refill carrier-96 Pack	10 refills	78.00
1774-2044	1.10 ml Alphanumeric Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	243.00
MP42044L	1.10 ml Alphanumeric Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	243.00
1775-2318	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom Bulk Pack	960 tubes	226.00
MP52318L	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	226.00
1775-2339	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	278.00
1775-2319	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	447.00
MP52319L	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	447.00

Product #	Description	Quantity	Price
Precapped With Screw Caps			
1783-2048	1.10 ml Non coded Screw Cap tubes V-bottom Bulk Pack	960 tubes	356.00
MP32033LZ6	1.10 ml Non coded Screw Cap tubes V-bottom Snap Bulk Pack	960 tubes	356.00
1783-2050	1.10 ml Non coded Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	402.00
1783-2049	1.10 ml Non coded Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	511.00
MP32034LZ6	1.10 ml Non coded Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	511.00
MP42051Z6	1.10 ml Alphanumeric Screw Cap tubes V-bottom in refill carrier-96 Pack	10 refills	430.00
1784-2052	1.10 ml Alphanumeric Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	539.00
MP42044LZ6	1.10 ml Alphanumeric Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	539.00
1785-2334	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom Bulk Pack	960 tubes	587.00
1785-2340	1.10 ml Tracker 2D barcoded Screw Cap tubes in refill carrier-96 Pack	10 refills	633.00
1785-2333	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	742.00
MP52319LZ6	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	742.00

Prices are subject to change without notice.

Micronic Tubes

1.10 ml Tubes Continued (Gross Volume 1.09 ml, Net Volume 0.87 ml with push cap and 0.78 ml with screw cap) *(Please contact us for TraXis pricing)*

Product #	Description	Quantity	Price
Precapped With TPE Caps			
MP32034X1	1.10 ml Non coded Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	312.00
MP32034LX1	1.10 ml Non coded Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	312.00
MP42044X1	1.10 ml Alphanumeric Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	341.00
MP42044LX1	1.10 ml Alphanumeric Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	341.00
MP52319X1	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom in RoBo Rack-96 Pack	10 racks	544.00
MP52319LX1	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	544.00

1.40 ml Tubes *(Please contact us for TraXis pricing)*

Product #	Description	Quantity	Price
Screw Cap Tubes Without Caps (Gross Volume 1.42 ml, Net Volume 1.19 ml with push cap and 1.09 ml with screw cap)			
1773-2062	1.40 ml Non coded Screw Cap tubes U-bottom Bulk Pack	960 tubes	40.00
MP32062L	1.40 ml Non coded Screw Cap tubes U-bottom Snap Bulk Pack	960 tubes	40.00
1773-2063	1.40 ml Non coded Screw Cap tubes U-bottom in refill carrier-96 Pack	10 refills	60.00
1773-32042	1.40 ml Non coded Screw Cap tubes U-bottom in RoBo Rack-96 Pack	10 racks	215.00
MP32042L	1.40 ml Non coded Screw Cap tubes U-bottom Snap in RoBo Rack-96 Pack	10 racks	215.00
1774-2064	1.40 ml Alphanumeric Screw Cap tubes U-bottom in refill carrier-96 Pack	10 refills	78.00
1774-2063	1.40 ml Alphanumeric Screw Cap tubes U-bottom in RoBo Rack-96 Pack	10 racks	243.00
1754-2063	1.40 ml Alphanumeric Screw Cap tubes U-bottom Snap in RoBo Rack-96 Pack	10 racks	243.00
1775-2345	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom Bulk Pack	960 tubes	226.00
MP52345L	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom Snap Bulk Pack	960 tubes	226.00
1775-2346	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom in refill carrier-96 Pack	10 refills	278.00
1775-2330	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom in RoBo Rack-96 Pack	10 racks	447.00
1755-2330	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom Snap in RoBo Rack-96 Pack	10 racks	447.00

Precapped With Screw Caps

1783-2064	1.40 ml Non coded Screw Cap tubes U-bottom Bulk Pack	960 tubes	356.00
MP32062LZ6	1.40 ml Non coded Screw Cap tubes U-bottom Snap Bulk Pack	960 tubes	356.00
MP32042Z6	1.40 ml Non coded Screw Cap tubes U-bottom in refill carrier-96 Pack	10 refills	402.00
1784-2066	1.40 ml Alphanumeric Screw Cap tubes U-bottom in refill carrier-96 Pack	10 refills	430.00
1784-2065	1.40 ml Alphanumeric Screw Cap tubes U-bottom in RoBo Rack-96 Pack	10 racks	430.00
1785-2336	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom Bulk Pack	960 tubes	587.00
MP52324LZ6	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom Snap Bulk Pack	960 tubes	587.00
1785-2347	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom in refill carrier-96 Pack	10 refills	633.00
1785-2335	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom in RoBo Rack-96 Pack	10 racks	742.00
MP52330LZ6	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom Snap in RoBo Rack-96 Pack	10 racks	742.00

Prices are subject to change without notice.

Micronic Tubes

1.40 ml Tubes (Continued)

(Please contact us for TraXis pricing)

Product #	Description	Quantity	Price
Standard Tubes in Bulk, Refill, and Rack (Gross Volume 1.34 ml, Net Volume 1.11 ml)			
1773-2022	1.40 ml Non coded tubes U-bottom Bulk Pack	960 tubes	40.00
1772-2676	1.40 ml Non coded tubes U-bottom in refill carrier-96 Pack	10 refills	60.00
1774-2002	1.40 ml Non coded tubes U-bottom in RoBo Rack-96 Pack	10 racks	215.00
1774-2000	1.40 ml Non coded tubes U-bottom in StaBo Rack-96 Pack	10 racks	215.00
1773-2502	1.40 ml Non coded tubes U-bottom in CoMo Rack-96 Pack	10 racks	197.00
1772-2677	1.40 ml Alphanumeric tubes U-bottom in refill carrier-96 Pack	10 refills	78.00
1774-2003	1.40 ml Alphanumeric tubes U-bottom in RoBo Rack-96 Pack	10 racks	243.00
1774-2001	1.40 ml Alphanumeric tubes U-bottom in StaBo Rack-96 Pack	10 racks	243.00
1772-2501	1.40 ml Alphanumeric tubes U-bottom in CoMo Rack-96 Pack	10 racks	212.00
1773-2035	1.40 ml Non coded tubes V-bottom Bulk Pack	960 tubes	40.00
MP32035L	1.40 ml Non coded tubes V-bottom Snap in Bulk Pack	960 tubes	40.00
1773-2061	1.40 ml Non coded tubes V-bottom in refill carrier-96 Pack	10 refills	60.00
1773-2036	1.40 ml Non coded tubes V-bottom in RoBo Rack-96 Pack	10 racks	215.00
MP32036L	1.40 ml Non coded tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	215.00
1773-2059	1.40 ml Non coded tubes V-bottom in StaBo Rack-96 Pack	10 racks	215.00
1773-2058	1.40 ml Non coded tubes V-bottom in CoMo Rack-96 Pack	10 racks	196.00
1774-2061	1.40 ml Alphanumeric tubes V-bottom in refill carrier-96 Pack	10 refills	78.00
1774-2047	1.40 ml Alphanumeric tubes V-bottom in RoBo Rack-96 Pack	10 racks	243.00
MP42047L	1.40 ml Alphanumeric tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	243.00
1774-2059	1.40 ml Alphanumeric tubes V-bottom in StaBo Rack-96 Pack	10 racks	243.00
1774-2062	1.40 ml Alphanumeric tubes V-bottom in CoMo Rack-96 Pack	10 racks	228.00
1775-2320	1.40 ml Tracker 2D barcoded tubes V-bottom Bulk Pack	960 tubes	226.00
1755-2320	1.40 ml Tracker 2D barcoded tubes V-bottom Snap in Bulk Pack	960 tubes	226.00
1775-2324	1.40 ml Tracker 2D barcoded tubes V-bottom in refill carrier-96 Pack	10 refills	278.00
1775-2321	1.40 ml Tracker 2D barcoded tubes V-bottom in RoBo Rack-96 Pack	10 racks	447.00
1755-2321	1.40 ml Tracker 2D barcoded tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	447.00
1775-2342	1.40 ml Tracker 2D barcoded tubes V-bottom in StaBo Rack-96 Pack	10 racks	447.00
1775-2341	1.40 ml Tracker 2D barcoded tubes V-bottom in CoMo Rack-96 Pack	10 racks	488.00
1775-2344	1.40 ml Tracker 2D barcoded tubes Black V-bottom in RoBo Rack-96 Pack	10 racks	492.00
MP52344L	1.40 ml Tracker 2D barcoded tubes Black V-bottom Snap in RoBo Rack-96 Pack	10 racks	492.00

Product #	Description	Quantity	Price
Exterior Flat-Bottom Tubes in Bulk, Refill, and Rack			
1773-2051	1.40 ml Non coded exterior flat-bottom tubes U-bottom Bulk Pack	960 tubes	40.00
1773-2056	1.40 ml Non coded exterior flat-bottom tubes U-bottom in refill carrier-96 Pack	10 refills	60.00

Prices are subject to change without notice.

Micronic Tubes

1.40 ml Tubes (Continued)

(Please contact us for TraXis pricing)

Product #	Description	Quantity	Price
1773-2054	1.40 ml Non coded exterior flat-bottom tubes U-bottom in RoBo Rack-96 Pack	10 racks	215.00
1773-2053	1.40 ml Non coded exterior flat-bottom tubes U-bottom in StaBo Rack-96 Pack	10 racks	215.00
1773-2052	1.40 ml Non coded exterior flat-bottom tubes U-bottom in CoMo Rack-96 Pack	10 racks	206.00
1773-2057	1.40 ml Non coded exterior flat-bottom tubes Black U-bottom in RoBo Rack-96 Pack	10 racks	236.00
1774-2057	1.40 ml Alphanumeric exterior flat-bottom tubes U-bottom in refill carrier-96 Pack	10 refills	78.00
1774-2055	1.40 ml Alphanumeric exterior flat-bottom tubes U-bottom in RoBo Rack-96 Pack	10 racks	243.00
1774-2054	1.40 ml Alphanumeric exterior flat-bottom tubes U-bottom in StaBo Rack-96 Pack	10 racks	243.00
1774-2058	1.40 ml Alphanumeric exterior flat-bottom tubes U-bottom in CoMo Rack-96 Pack	10 racks	228.00
1775-2607	1.40 ml Tracker 2D barcoded exterior flat-bottom tubes U-bottom Bulk Pack	960 tubes	226.00
1775-2019	1.40 ml Tracker 2D barcoded ext. flat-bottom tubes U-bottom in refill carrier-96 Pack	10 refills	278.00
1775-2011	1.40 ml Tracker 2D barcoded ext. flat-bottom tubes U-bottom in RoBo Rack-96 Pack	10 racks	447.00
1775-2006	1.40 ml Tracker 2D barcode ext. flat-bottom tubes U-bottom in StaBo Rack-96 Pack	10 racks	447.00
1775-2311	1.40 ml Tracker 2D barcoded ext. flat-bottom tubes U-bottom in CoMo Rack-96 Pack	10 racks	488.00
1775-2309	1.40 ml Tracker 2D barcoded ext. flat-btm. tubes Black U-btm. in RoBo Rack-96 Pack	10 racks	492.00

Product #	Description	Quantity	Price
Exterior Flat-Bottom Tubestrip-8			

MP73002	Strip of 8- 1.40 ml Non coded exterior flat-bottom tubes (12 strips of 8/ bag)	10 bags	66.00
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Product #	Description	Quantity	Price
Precapped With TPE Caps			

MP32036X1	1.40 ml Non coded tubes V-bottom in RoBo Rack-96 Pack	10 racks	312.00
MP42047X1	1.40 ml Alphanumeric tubes V-bottom in RoBo Rack-96 Pack	10 racks	375.00
MP42047X1	1.40 ml Alphanumeric tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	375.00
MP52321X1	1.40 ml Tracker 2D barcoded tubes V-bottom in RoBo Rack-96 Pack	10 racks	598.00
MP52321LX1	1.40 ml Tracker 2D barcoded tubes V-bottom Snap in RoBo Rack-96 Pack	10 racks	598.00

2.50 ml Tubes

Product #	Description	Quantity	Price
MP32032	2.50 ml Non coded tubes U-bottom Bulk Pack	480 tubes	273.00
1773-2003	2.50 ml Non coded tubes U-bottom in StaBo Rack-96 Pack	6 racks	394.00

Prices are subject to change without notice.

Micronic Tubes

7.50 ml Tubes

Product #	Description	Quantity	Price
1772-3805	7.50 ml Non coded Polyethylene flat-bottom tubes Bulk Pack	100 tubes	23.00
1773-2021	7.50 ml Non coded Polyethylene flat-bottom tubes in CoMo Rack-24 Pack	10 racks	197.00
1773-2026	7.50 ml Non coded Polypropylene flat-bottom tubes Bulk Pack	100 tubes	24.00
1773-2029	7.50 ml Non coded Polypropylene flat-bottom tubes in CoMo Rack-24 Pack	10 racks	236.00
1773-2030	7.50 ml Non coded Polypropylene Black flat-bottom tubes Bulk Pack	100 tubes	28.00
1773-2031	7.50 ml Non coded Polypropylene Black flat-bottom tubes in CoMo Rack-24 Pack	10 racks	260.00
1775-2314	7.50 ml Tracker 2D barcoded flat-bottom Polypropylene tubes Bulk Pack	100 tubes	103.00
1775-2315	7.50 ml Tracker 2D barcoded flat-bottom Polypropylene tubes in CoMo Rack-24 Pack	10 racks	396.00

Prices are subject to change without notice.

Storage Tubes for Light-Sensitive Samples

Features and Benefits:

- Complete line of light blocking products
- Multiple centrifuge tube sizes: 0.50 ml, 1.50 ml, 15 ml & 50 ml
- Ideal for use with fluorescent probes or ethidium bromide
- Tubes are made of medical grade polypropylene
- Storable at temperatures as low as -100°C
- Autoclavable at up to 122°C
- 100-place light sensitive box is suitable for 0.50 ml, 1.50 ml, and 2.0 ml tubes (dimensions: 14x14x6cm)
- Box contains an alphanumeric grid on the inside and outside
- Tubes are available Tracker 2D barcoded or non-coded in 0.75 ml and 1.40 ml sizes
- Light blocking cover fits LoBo, StaBo, and RoBo Racks

Black Micronic storage tubes are available Tracker 2D barcoded or non-coded in 0.75 ml and 1.40 ml sizes



Tubes for Light-Sensitive Samples

Product #	Description	Quantity	Price
1773-2027	0.75 ml Non-coded exterior flat-bottom tubes Black V-bottom in LoBo Rack-96 Pack	10 racks	236.00
MP52310	0.75 ml Tracker 2D barcoded tubes Black V-bottom in LoBo Rack-96 Pack	10 racks	492.00
1773-2028	1.40 ml Non-coded tubes Black U-bottom Bulk Pack	960 tubes	44.00
1773-2057	1.40 ml Non-coded tubes Black U-bottom in RoBo Rack-96 Pack	10 racks	236.00
1775-2309	1.40 ml Tracker 2D barcoded tubes Black U-bottom in RoBo Rack-96 Pack	10 racks	492.00
1775-2634	1.40 ml TraXis 2D barcoded tubes Black U-bottom in RoBo Rack-96 Pack	10 racks	492.00
1773-2030	7.50 ml Non-coded flat-bottom polypropylene tubes Black Bulk Pack	100 tubes	27.00
1773-2031	7.50 ml Non-coded flat-bottom polypropylene tubes in CoMo Rack-24 Pack	10 racks	247.00

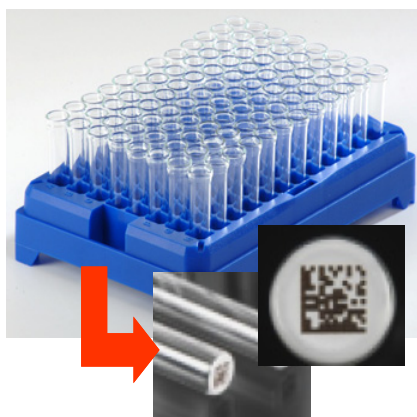
Prices are subject to change without notice.

Micronic Tubes

Glass Tubes and Custom Barcoding Service

Features and Benefits:

- Borosilicate glass ensures long-term sample integrity
- Available in tube sizes 1.0 ml and 1.20 ml
- Automation friendly flanged opening
- Available non-coded and 2D barcoded
- Barcoding eliminates identification errors and speeds data collection process
- All Micronic barcodes (1D and 2D are available) for glass tubes are permanent and laser-etched into the vial surface
- Barcoding will withstand solvent exposure and temperature extremes (high and low)
- Printing available on side or bottom of vials
- Ideal for use in biotech, pharmaceutical, and compound storage facilities



Ceramic 2D barcoded Micronic glass tubes



Clear and amber laser-etched barcoded vials



Micronic glass tubes in StaBo Rack-96



1D and 2D ceramic barcodes

Glass Tubes (Custom glass barcoding available --- please call for pricing)

Product #	Description	Quantity	Price
MGT102NCB	1.0 ml Glass Non-coded tubes Bulk	96 tubes	91.00
1764-1062	1.0 ml Glass Non-coded tubes in RoBo Rack-96	96 tubes	117.00
1764-1023	1.0 ml Glass Tracker 2D barcoded tubes in RoBo Rack-96	96 tubes	145.00
1764-1262	1.20 ml Glass Non-coded tubes in RoBo Rack-96	96 tubes	117.00
MGT122D	1.20 ml Glass Tracker 2D barcoded tubes in RoBo Rack-96	96 tubes	145.00

Prices are subject to change without notice.

Micronic Racks

Micronic Tube Packaging Options

Features and Benefits:

- Tubes are available in bulk, refill carrier-96, or Micronic storage racks:
 - LoBo Rack-96: 0.50 ml, 0.75 ml tubes
 - StaBo Rack-96: 1.10 ml, 1.40 ml, 2.50 ml tubes
 - RoBo Rack-96: 1.10 ml, 1.40 ml tubes
 - CoMo Rack-96: 1.10 ml, 1.40 ml tubes
 - CoMo Rack-24: 7.50 ml tubes
- Refill carrier-96 features easy insertion of new tubes into an empty rack, faster than refilling 96 single tubes
- Micronic racks have an industry standard SBS footprint
- Racks are made of the highest quality polypropylene (LoBo, StaBo, RoBo Racks) or polycarbonate (CoMo Rack-24 and CoMo Rack-96)



RoBo Rack - 96



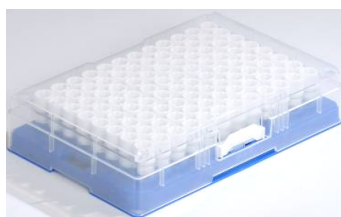
CoMo Rack-96



CoMo Rack-24



StaBo Rack - 96



LoBo Rack - 96



Refill carrier-96

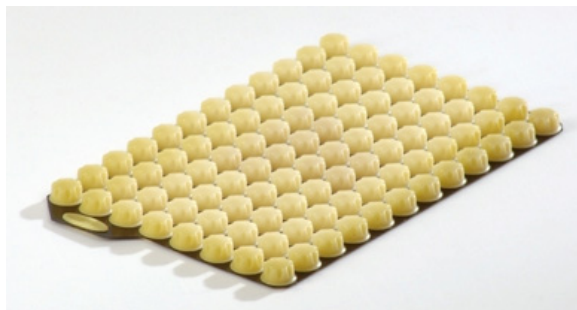
Packaging Options

(For packaging/pricing of tubes in racks, see Tube Section)

Product #	Description	Quantity	Price
1773-4000	Extendable Storage Holder (ES-Holder)	10 pieces	54.00
1775-1001	RoBo Rack-96 (including lid) Pack	10 racks	130.00
MP51012	RoBo Rack-96 for Glass Tubes (1.20 ml) / Precapped screw cap tubes (1.40 ml) Pack	10 racks	130.00
1775-1004	LoBo Rack-96 (including lid) Pack	10 racks	130.00
1775-1000	StaBo Rack-96 (including lid) Pack	10 racks	130.00
1772-3100	CoMo Rack-96 (including lid) Pack - polycarbonate	10 racks	139.00
1772-2504	CoMo Rack-24 (including lid) Pack - polycarbonate	10 racks	139.00
1776-2012	Easy removal lid for CoMo Rack-24 and CoMo Rack-96 Pack	10 lids	41.00

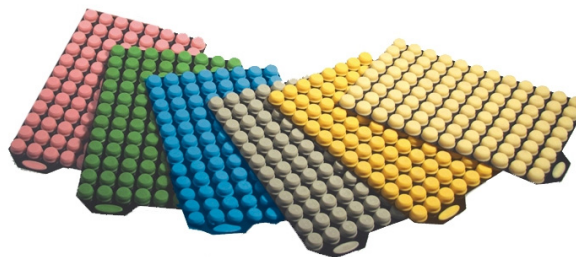
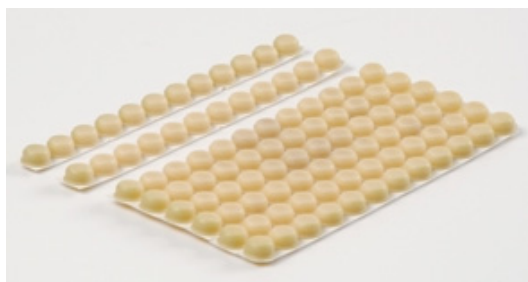
Prices are subject to change without notice.

Micronic Caps



TPE Cap Range Features & Benefits:

- The enhanced elastomer makes for the best seal, and is easy to pierce and reseal after piercing
- Each cap is multipierceable without losing its seal integrity
- Available with split septum to pierce with a pipet tip
- Medical approved material (USP Class VI certificate)
- 11 colors are available to allow easy visual differentiation
- A patented 96-well capmat design
- Also compatible with Greiner Bio-One 96-well plates
- Working temperature -80°C to +80°C (120°C without retaining film)
- RNase & DNase free



Micronic Caps

TPE Cap Range

Product #	Description	Quantity	Price
Capmats			
1775-3012	Pierceable TPE Capmat Green for capping 96 tubes Pack	10 capmats	41.00
1775-3013	Pierceable TPE Capmat Grey for capping 96 tubes Pack	10 capmats	41.00
1775-3014	Pierceable TPE Capmat Pink for capping 96 tubes Pack	10 capmats	41.00
1775-3015	Pierceable TPE Capmat Brown for capping 96 tubes Pack	10 capmats	41.00
1775-3016	Pierceable TPE Capmat Black for capping 96 tubes Pack	10 capmats	41.00
1775-3017	Pierceable TPE Capmat Yellow for capping 96 tubes Pack	10 capmats	41.00

Product #	Description	Quantity	Price
Capbands			
1775-3002	Pierceable TPE Capband-8 Natural in Capmat format Pack	10 pieces	54.00
1775-3018	Pierceable TPE Capband-8 Blue in Capmat format Pack	10 pieces	54.00
1775-3019	Pierceable TPE Capband-8 Green in Capmat format Pack	10 pieces	54.00
1775-3020	Pierceable TPE Capband-8 Grey in Capmat format Pack	10 pieces	54.00
1775-3021	Pierceable TPE Capband-8 Pink in Capmat format Pack	10 pieces	54.00
1775-3022	Pierceable TPE Capband-8 Brown in Capmat format Pack	10 pieces	54.00
1775-3023	Pierceable TPE Capband-8 Black in Capmat format Pack	10 pieces	54.00
1775-3035	Pierceable TPE Capband-12 Natural in Capmat format Pack	10 pieces	54.00

Product #	Description	Quantity	Price
Capclusters			
1775-3001	Pierceable TPE Capcluster Natural for capping 96 individual tubes Pack	10 clusters	55.00
1775-3004	Pierceable TPE Capcluster Blue for capping 96 individual tubes Pack	10 clusters	55.00
1775-3005	Pierceable TPE Capcluster Green for capping 96 individual tubes Pack	10 clusters	55.00
1775-3006	Pierceable TPE Capcluster Grey for capping 96 individual tubes Pack	10 clusters	55.00
1775-3007	Pierceable TPE Capcluster Pink for capping 96 individual tubes Pack	10 clusters	55.00
1775-3008	Pierceable TPE Capcluster Rust for capping 96 individual tubes Pack	10 clusters	55.00
1775-3009	Pierceable TPE Capcluster Black for capping 96 individual tubes Pack	10 clusters	55.00
1775-3010	Pierceable TPE Capcluster Yellow for capping 96 individual tubes Pack	10 clusters	55.00

Prices are subject to change without notice.

Micronic Caps

TPE Cap Range Continued

Product #	Description	Quantity	Price
Capclusters			
1775-3036	Pierceable TPE Capcluster White for capping 96 individual tubes Pack	10 clusters	59.00
1775-3038	Pierceable TPE Capcluster Purple for capping 96 individual tubes Pack	10 clusters	59.00
1775-3039	Pierceable TPE Capcluster Light Blue for capping 96 individual tubes Pack	10 clusters	59.00
1775-3041	Pierceable TPE Capcluster-96, Pack of 10 capclusters (each) of 8 colors	10 clusters	411.00

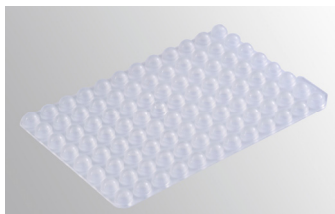
Product #	Description	Quantity	Price
LyoCapclusters			
1775-3042	LyoCapclusters Pack	10 clusters	61.00

Product #	Description	Quantity	Price
Split Caps			
1775-3027	Split TPE Capband for capping 8 tubes Pack	10 capmats	61.00
1775-3026	Split TPE Capcluster natural for capping 96 individual tubes Pack	10 clusters	61.00
1775-3028	Split TPE Capcluster blue for capping 96 individual tubes Pack	10 clusters	61.00
1775-3029	Split TPE Capcluster green for capping 96 individual tubes Pack	10 clusters	61.00
1775-3030	Split TPE Capcluster grey for capping 96 individual tubes Pack	10 clusters	61.00
1775-3031	Split TPE Capcluster pink for capping 96 individual tubes Pack	10 clusters	61.00
1775-3032	Split TPE Capcluster brown for capping 96 individual tubes Pack	10 clusters	61.00
1775-3033	Split TPE Capcluster black for capping 96 individual tubes Pack	10 clusters	61.00
1775-3034	Split TPE Capcluster yellow for capping 96 individual tubes Pack	10 clusters	61.00

Product #	Description	Quantity	Price
Caps for Glass Tubes			
1775-3900	Pierceable TPE Capcluster natural for capping 96 Glass tubes Pack	10 pieces	59.00

Benefits of the EVA Capmat and EVA Capband:

- Manufactured from high-quality ethylene vinyl acetate (EVA)
- Complies with the requirements of European and American regulations for food contact
- Recommended temperature range for use: -40°C to +80°C
- Clean room manufacturing (Class 10,000)
- Certified RNase/DNase free
- Available sterile (gamma irradiated)
- Fits most 8x12 storage plates
- Compatible with Micronic tubes as well as common deep-well blocks and microplates



L: Micronic EVA Capmat for 96 tubes

R: Micronic EVA Capband-8



EVA Capping Range

Product #	Description	Quantity	Price
1778-2605	EVA Capband break-off for capping 1 tube Pack	1,000 caps	380.00
1772-2721	EVA Capband for capping 8 tubes Pack	120 pieces	33.00
1773-3000	EVA Capmat for capping 96 tubes Pack	10 capmats	29.00
1773-3001	EVA Capmat for capping 96 tubes (CoMo Rack only) Pack	10 capmats	24.00

Prices are subject to change without notice.

Micronic Caps

Benefits of Micronic Screw Caps:

- Compatible with all sizes of Micronic Screw Cap tubes (0.50 ml, 0.75 ml, 1.10 ml, 1.40 ml)
- One turn capping tightly seals tubes and protects samples
- Silicon "O" ring allows for tightest seal and ensures sample integrity
- Ideal for storing samples in temperatures between -180°C and 121°C
- Available in 6 colors (white, red, blue, yellow, green, transparent blue)
- 'Twist-Lock' feature on Micronic racks prevents tubes from turning while screw capping
- Screw Cap remover individually decaps tubes within racks



Micronic Screw Caps are available in these 6 colors

Screw Caps

Product #	Description	Quantity	Price
1775-3101	Screw Caps - white pack	960 caps	255.00
1775-3102	Screw Caps - red pack	960 caps	255.00
1775-3103	Screw Caps - blue pack	960 caps	255.00
1775-3104	Screw Caps - yellow pack	960 caps	255.00
1775-3105	Screw Caps - green pack	960 caps	255.00
1775-3106	Screw Caps - transparent blue pack	960 caps	255.00

Micronic Manual Cappers, Decappers, and Tube Selector

- The Manual Capmatsealer caps Micronic tubes with Micronic TPE/EVA Caps, Capclusters, Capbands, and Capmats
- Manual Decapper-1 and -8 available for TPE and pushcap removal
- Manual Decapper-8 aluminum is designed to remove TPE and pushcaps from frozen tubes
- Single Screw Cap remover tool available
- The Tube Selector is a quick and convenient tool for removing single tubes from racks without affecting surrounding tubes and while preventing cross-contamination
- Tube Selector works on uncapped, TPE-capped, or Screw-Capped Micronic and other brand tubes



The Micronic Manual Capmatsealer evenly and correctly caps tubes in racks



Above: Manual Decapper-8 and Manual Decapper-1
Left: Screw Cap remover
Right: MD-8 Aluminum



The Micronic Tube Selector features easy pick-up, and one touch tube release button.

Manual Capping Accessories

Product #	Description	Quantity	Price
MP55006	Manual Capmatsealer (supports needed for 0.50 ml, 0.75 ml, and 1.10 ml tubes)	1 unit	1,098.00
MP54005	Tube Selector	1 piece	35.00
1775-4004	Screw Cap remover	10 pieces	23.00
MP54000	Manual Decapper-1	10 pieces	55.00
MP54001	Manual Decapper-8	10 pieces	65.00
MP65010	Manual Decapper-8 Aluminum	1 unit	275.00

Micronic Cappers & Decappers



NEW Automatic Decapper-96

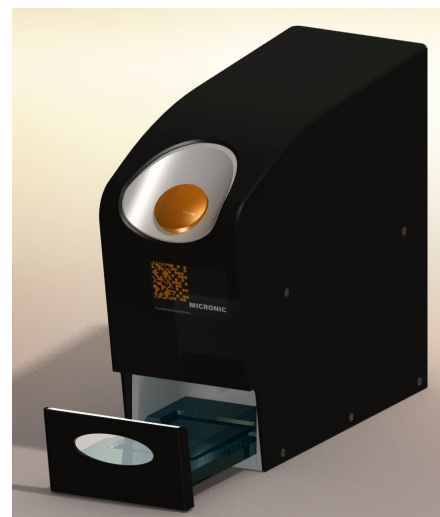
Features:

- Minimizes risk of cross-contamination
- Compatible with Micronic tubes in a 96-well format (0.50 ml 0.75 ml, 1.10 ml, 1.40 ml), no adapters needed
- Time saving procedure - decaps 96 tubes in >15 seconds
- Automation friendly -- can be used as a stand alone unit or run with an automated start
- Online troubleshooting feature for quick problem solving
- Easy to install, user friendly menu
- Weight and dimensions: 55 lbs, 14"h x 22"l x 10"w
- Priced at \$37,850.00 (1763-5000)

Electric Capper

Features:

- Caps both full and partially full racks of tubes
- Controlled pressure system caps each tube evenly
- Compatible with the Micronic capping range, tubes and racks
- Also compatible with other brands of tubes and caps
(Please contact us for compatible brands)
- Robust, durable bench top device
- 1.40 ml tubes standard - adapters necessary for smaller tubes
- Weight and dimensions: 29 lbs, 15" x 6" x 13"
- Unit priced at \$3,995.00 (1763-5015)
- Adapters:
1765-5702 (Adapter for 0.50 ml Screw Cap tubes): \$150.00
1765-5700 (Adapter for 0.75 ml tubes): \$150.00



Watch the video online at
www.usascientific.com!



Watch the video online at
www.usascientific.com!

NEW Hamilton Screw Cap Decapper

Features:

- Graphical touch screen interface simplifies programming and ease of use
- Torque monitoring ensures optimal sealing quality
- Laser sensor detects tube height — no adapters needed for different tube sizes!
- Permanent sensor control enhances process safety
- Removable cap holder rack allows batch processing
- 12 tube parallel opening allows you to select rows to decap or the entire rack
- No cap moves over open tubes, eliminating the risk of cross-contamination
- Unit priced at \$40,000.00 (MP193000)
- Accessories:
MP193514 (Cap holder rack): \$110.00
MP281242 (Detergent for unit): \$80.00
MP281243 (Disinfectant for unit): \$55.00

Micronic Starter Packs

Benefits of Starter Packs:

- Complete sample storage systems to get you started
- A fully traceable sampling solution for a very affordable price
- Starter Packs are offered at a discount from what the products would cost separately
- Starter Packs are available with screw cap or TPE Cap tubes
- Now available with a Three Rack or Hand Held Wireless Scanner
- SampleWare software is available for simplified data management in your lab



Starter Packs With Hand Held Wireless Scanners

Product #	Description	Unit Size	Unit Price
Starter Packs With Screw Cap Tubes (precapping, \$195)			
MP90102	0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom Starter Pack 1775-2325 0.50 ml Tracker 2D barcoded Screw Cap tubes V-bottom in LoBo Rack-96 1775-3106 Screw Caps - transparent blue MP85120 Hand Held Wireless 1D and 2D barcode reader with USB connection 1775-4004 Manual Screw Cap remover	1 unit (40 racks) (4x960 caps) (1 piece) (4 pieces)	3,965.00
MP90107	0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom Starter Pack MP52351 0.75 ml Tracker 2D barcoded Screw Cap tubes V-bottom in LoBo Rack-96 1775-3106 Screw Caps - transparent blue MP85120 Hand Held Wireless 1D and 2D barcode reader with USB connection 1775-4004 Manual Screw Cap remover	1 unit (40 racks) (4x960 caps) (1 piece) (4 pieces)	3,965.00
MP90103	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom Starter Pack 1775-2319 1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom in RoBo Rack-96 1775-3106 Screw Caps - transparent blue MP85120 Hand Held Wireless 1D and 2D barcode reader with USB connection 1775-4004 Manual Screw Cap remover	1 unit (40 racks) (4x960 caps) (1 piece) (4 pieces)	3,965.00
MP90104	1.40 ml Tracker 2D barcoded Screw Cap tubes V-bottom Starter Pack MP52330 1.40 ml Tracker 2D barcoded Screw Cap tubes V-bottom in RoBo Rack-96 MP53106 Screw Caps transparent blue MP85120 Hand Held Wireless 1D and 2D barcode reader with USB connection MP54004 Manual Screw Cap Remover	1 unit (40 racks) (4x960 caps) (1 piece) (1 piece)	3,965.00
Starter Packs With TPE Caps (precapping, \$145)			
MP90106	1.40 ml Tracker 2D barcoded tubes V-bottom Starter Pack MP52321 1.40 ml Tracker 2D barcoded tubes V-bottom in RoBo Rack-96 MP53001 Pierceable TPE Capcluster-96 natural MP54000 Manual Decapper-1 MP54001 Manual Decapper-8 MP55006 Manual Capmatsealer MP85120 Hand Held Wireless 1D and 2D barcode reader with USB connection	1 unit (40 racks) (4x10 capclusters) (1 piece) (1 piece) (1 piece) (1 piece)	4,058.00
MP90101	0.75 ml Tracker 2D barcoded tubes V-bottom Starter Pack MP52020 0.75 ml Tracker 2D barcoded tubes V-bottom in LoBo Rack-96 MP53001 Pierceable TPE Capcluster-96 natural MP54000 Manual Decapper-1 MP54001 Manual Decapper-8 MP55006 Manual Capmatsealer MP55700 Capmatsealer support for 0.75ml tubes MP85120 Hand Held Wireless 1D and 2D barcode reader with USB connection	1 unit (40 racks) (4x10 capclusters) (1 piece) (1 piece) (1 piece) (1 piece) (1 piece)	4,190.00
MP90100	1.40 ml Tracker 2D barcoded tubes U-bottom Starter Pack MP52011 1.40 ml Tracker 2D barcoded tubes U-bottom in RoBo Rack-96 MP53001 Pierceable TPE Capcluster-96 natural MP54000 Manual Decapper-1 MP54001 Manual Decapper-8 MP55006 Manual Capmatsealer MP85120 Hand Held Wireless 1D and 2D barcoded reader with USB connection	1 unit (40 racks) (4x10 capclusters) (1 piece) (1 piece) (1 piece) (1 piece)	4,058.00

SampleWare Software is recommended for use with Micronic Starter Packs. (See page 29)

Micronic Starter Packs

Benefits of Starter Packs:

- Complete sample storage systems to get you started
- A fully traceable sampling solution for a very affordable price
- Starter Packs are offered at a discount from what the products would cost separately
- Starter Packs are available with screw cap or TPE Cap tubes
- Now available with a Three Rack or Hand Held Wireless Scanner
- SampleWare software is available for simplified data management in your lab



Starter Pack is shown with optional Hand Held Wireless Scanner (see previous page). Starter Packs on this page are packaged with a three-rack barcode reader (right).

Starter Packs With Table Model Scanners

Product #	Description	Unit Size	Unit Price
Starter Packs With Screw Cap Tubes (precapping, \$195)			
MP80103	1.10 ml Tracker 2D barcoded Screw Cap tubes V-bottom Starter Pack	1 unit	4,995.00
	1775-2319 1.10 ml Tracker 2D barcoded screw cap tubes V-bottom in RoBo Rack-96 (40 racks)		
	1775-3106 Screw Caps - transparent blue (4x960 caps)		
	MP85115 Tracker Table Model Three Rack Scanner (1 piece)		
	1775-4004 Manual Screw Cap remover (4 pieces)		
MP80104	1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom Starter Pack	1 unit	4,995.00
	1775-2330 1.40 ml Tracker 2D barcoded Screw Cap tubes U-bottom in RoBo Rack-96 (40 racks)		
	1775-3106 Screw Caps - transparent blue (4x960 caps)		
	MP85115 Tracker Table Model Three Rack Scanner (1 piece)		
	1775-4004 Manual Screw Cap remover (4 pieces)		
Starter Packs With TPE Caps (precapping, \$145)			
MP80106	1.40 ml Tracker 2D barcoded tubes V-bottom Starter Pack	1 unit	5,325.00
	1775-2020 0.75 ml Tracker 2D barcoded tubes V-bottom in LoBo Rack-96 (40 racks)		
	1775-3001 Pierceable TPE Capcluster-96 natural (4x10 capclusters)		
	MP54000 Manual Decapper-1 (1 piece)		
	MP54001 Manual Decapper-8 (1 piece)		
	MP55006 Manual Capmatsealer (1 piece)		
	MP85115 Tracker Table Model Three Rack Scanner (1 piece)		
1798-0101	0.75 ml Tracker 2D barcoded tubes V-bottom Starter Pack	1 unit	5,457.00
	1775-2020 0.75 ml Tracker 2D barcoded tubes V-bottom in LoBo Rack-96 (40 racks)		
	1775-3001 Pierceable TPE Capcluster-96 natural (4x10 capclusters)		
	MP54000 Manual Decapper-1 (1 piece)		
	MP54001 Manual Decapper-8 (1 piece)		
	MP55006 Manual Capmatsealer (1 piece)		
	MP55700 Capmatsealer support for 0.75ml tubes (1 piece)		
	MP85115 Tracker Table Model Three Rack Scanner (1 piece)		
MP80100	1.40 ml Tracker 2D barcoded tubes U-bottom Starter Pack	1 unit	5,235.00
	1775-2011 1.40 ml Tracker 2D barcoded tubes U-bottom in RoBo Rack-96 (40 racks)		
	1775-3001 Pierceable TPE Capcluster-96 natural (4x10 capclusters)		
	MP54000 Manual Decapper-1 (1 piece)		
	MP54001 Manual Decapper-8 (1 piece)		
	MP55006 Manual Capmatsealer (1 piece)		
	MP85115 Tracker Table Model Three Rack Scanner (1 piece)		

SampleWare Software is recommended for use with Micronic Starter Packs. (See Page 29)

Micronic Barcode Readers

SampleScan Plus Single Tube Reader

Features and Benefits:

- Reads 1D and 2D barcodes
- Plug-and-play setup, no power supply or software needed
- Keyboard wedge functionality -- data automatically transfers to any open program on your PC
- Scans and decodes in less than one second
- Black tubeholder around scanner lens can be removed to read 1D barcodes or non-round tubes
- One USB connection
- Very small footprint: 4"w x 4"d x 5.5"h
- Priced at \$2,495 (MP85220)



TRxD Single Tube Reader

Features and Benefits:

- Simple USB connection
- Camera-based tube reader
- Reads 2D barcodes on tubes or labels
- Reads 1D barcodes on tubes or racks
- Keyboard-wedge interface
- Access/Excel compatibility
- Tracker Single Tube Reader (1765-5104) priced at \$2,750.00

Watch the video online at
www.usascientific.com!

Wireless Hand Held Scanner

Features and Benefits:

- Bluetooth wireless connectivity
- 33 foot (10 m) working range
- Withstands over 50 six-foot drops to concrete
- Lithium ion battery provides 57,000 scans per charge
- Reads 1D linear, PDF417 and 2D barcodes
- Lightweight handset (9 oz.) docks for hands-free barcode reading
- Priced at \$1,795.00 (1768-5120)
- A **wired** version (simple USB connection) is also now available, priced at \$1,195 (MP85121)

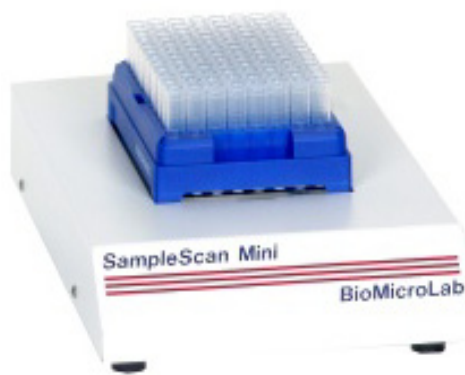


Watch the video online at
www.usascientific.com!

Barcode Readers & Scanners

Product #	Description	Unit Size	Unit Price
MP85220	SampleScan Plus Single Tube Reader	1 piece	2,495.00
1765-5104	TRxD Single Tube Reader	1 piece	2,750.00
1768-5120	Wireless Hand Held Barcode Reader	1 piece	1,795.00
MP85121	Wired Hand Held Barcode Reader -- USB connection	1 piece	1,195.00
1778-7000	SampleScan Mini Barcode Reader	1 piece	4,995.00
1768-5118	SampleScan High Speed Reader	1 piece	7,495.00
1768-5124	Optional Rack Orientation Sensor for MP85118	1 piece	1,495.00
1778-5116	SampleScan 96 Single-Rack Barcode Reader	1 piece	3,145.00
1768-5115	SampleScan 96 Three-Rack Barcode Reader	1 piece	3,295.00

Micronic Barcode Readers



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www.usascientific.com!

SampleScan Mini Reader

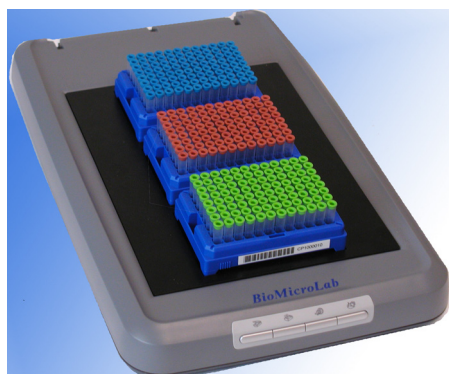
Features and Benefits:

- Scans 96 tubes in 5-7 seconds
- Compatible with SBS racks (12, 24, 48, 96 well configurations)
- Built-in auto rescan and single tube read feature
- Manually edit barcodes
- Customizable output files and destination folder (.csv)
- ActiveX SDK controls available for robotics and LIMS integration
- Priced at \$4,995.000 (1778-7000)

SampleScan High Speed Reader

Features and Benefits:

- Reads 96- 2D barcoded tubes in 2 seconds
- Camera based system, simple USB connection
- Saves tube ID and rack ID to file
- Requires Win XP, 2 USB ports and 512 of RAM
- Small foot print: 6.25"w x 4.25"d x 11"h, weight 6 lbs
- Priced at \$7,495.00 (1768-5118)
- Optional Rack Orientation Sensor (1768-5124), \$1,495



Watch the video online at
www.usascientific.com!

SampleScan 96 (One or Three Racks)

Features and Benefits:

- Reads 2D barcoded tubes in the 96-tube rack format
- Scanning Speed: 96 tubes in 15 seconds
- Compatible with all 2D barcoded tubes
- Allows for editing and rescanning
- Records 2D data and image to output folder
- Priced at \$3,145.00 (1768-5116 - 1 Rack) and \$3,295.00 (1768-5115 - 3 Rack)
- Active X Tool Kit available (MP85124AX - \$1,995.00)

Barcode Readers & Scanners

Product #	Description	Unit Size	Unit Price
1778-5220	SampleScan Plus Single Tube Reader	1 piece	2,495.00
1775-5104	TRxD Single Tube Reader	1 piece	3,295.00
1778-5120	Wireless Hand Held Barcode Reader	1 piece	1,795.00
MP85121	Wired Hand Held Barcode Reader -- USB connection	1 piece	1,195.00
1778-7000	SampleScan Mini Barcode Reader	1 piece	4,995.00
1778-5118	SampleScan High Speed Reader	1 piece	7,495.00
1778-5124	Optional Rack Orientation Sensor for MP85118	1 piece	1,495.00
1778-5116	SampleScan 96 Single-Rack Barcode Reader	1 piece	3,145.00
1778-5115	SampleScan 96 Three-Rack Barcode Reader	1 piece	3,295.00

Micronic Equipment

Thawing Station

Features:

Fast performance

- Defrosts 96 tubes in less than 20 minutes
- No warm-up time; uses ambient air

Small footprint

- Uses little bench top space

Specifications

- Dim: 6.25"w x 4.25"d x 11"h
- Weight: 5 lbs.
- Electrical: 110-220 VAC 50/60HZ



(Left) Rear side of the thawing station: air flows into the thawing station by a ventilator



(Right) Top view of the thawing station: Ambient air flows through the holes to thaw the tubes in the rack



Rack Thawing Station

Product #	Description	Unit Size	Unit Price
1768-5140	Rack Thawing Station - defrosts tube racks in less than 20 minutes	1 unit	599.00

VolumeCheck

Features:

- Non-contact liquid level data collector

Fast performance

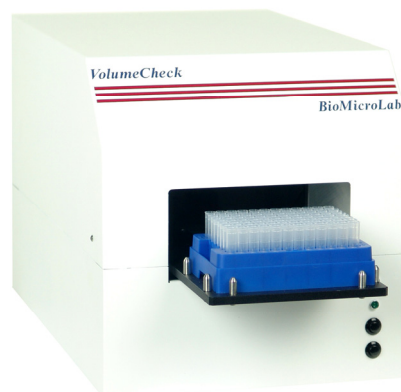
- 45 seconds to scan 96 well plate (or tube rack)
- Collects liquid level data for each well (or tube)
- Sensor-to-liquid distance allows volume detection
- Use of calibration plot allows volume measurement

Applications

- Low or high sample volume detection
- Sample quality control / cap detection
- Sample library management
- Works with water / alcohol / DMSO

Checks sample volume in uncapped...

- 96 well plates & 96 sample storage tube racks
- Vials or tubes (up to 70 mm high)



Watch the video online at www.usascientific.com!

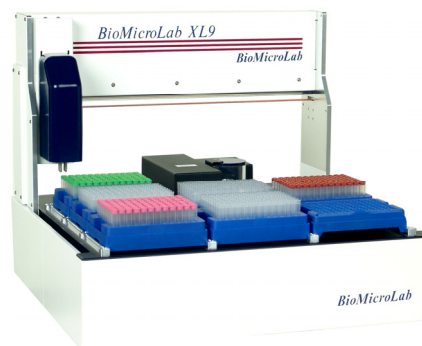
VolumeCheck

Product #	Description	Unit Size	Unit Price
1768-5150	VolumeCheck with Low Speed Sensor, 3 min. per 96-well plate or rack	1 unit	19,995.00
1768-5119	VolumeCheck with High Speed Sensor, 45 sec. per 96-well plate or rack	1 unit	24,995.00
MP85130	VolumeCheck with Lg Vial, High Speed, 45 sec. per 96-well plate or rack (up to 70mm high)	1 unit	Call
MPSWADP	PCR Plate Adapter	1 piece	500.00
1768-5125	0.75 ml Rack Adapter	1 piece	500.00
MP5126	Shallow well plate adapter (well plate sizes 14-16 mm)	1 piece	500.00
MP5127	Medium well plate adapter (well plate sizes 24-28 mm)	1 piece	500.00
MP2MMPR	2 mm well plate riser	1 piece	300.00
MP4MMPR	4 mm well plate riser	1 piece	300.00
MP85140B	Automated linear barcode reader module - captures rack IDs	1 unit	1,995.00
MP85140AX	VolumeCheck Active X Tool Kit	1 unit	1,995.00

Micronic Equipment

XL9 Tube Sorter

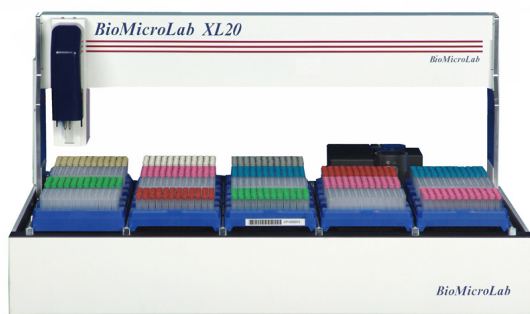
- Supports 96 tube rack format
- Sorts up to 900 tubes per hour
- Weighs up to 300 tubes per hour
- Optimal for robotics system integration
- Efficient LIMS connectivity
- ActiveX Developer's Tool Kit available for enhanced system integration
- Training & Installation available



XL20 Tube Sorter

2D Scanner and Analytical Balance:

- Integrated 2D scanner to decode tube ID markings
- Analytical balance for weighing tubes
- 2D scanner options provides in process tube ID to confirm movement of 2D marked tubes
- Optional analytical balance weighs tubes at 0.0001g readability
- Options operate in an unattended manner and generate output data files



Throughput

- XL20 processing times vary by task
- 900 tubes per hour: sort only mode
- 500 tubes per hour: sort and 2D scan mode
- Over 300 tubes per hour: sort and weigh mode

XL4, XL9, and XL20 Tube Sorters

Product #	Description	Unit Size	Unit Price
XL4 Automation Model			
MXL4C	XL4 Tube Handling Instrument - sorts and decodes	1 unit	14,995.00
MXL4AX	XL4 Active X Tool Kit		1,995.00
MXL4IT	Onsite installation and training - required for all tube sorter systems		2,500.00
MXL4Dell	Dell P4 computer (no monitor), keyboard, mouse, Windows XP, pre-loaded XL4 software		1,895.00
XL9 Tube Sorter Systems			
1711-9000	Base Model - sort-only (for Micronic 1.40 ml, Matrix 1.20 ml, and Abgene 1.20 ml)	1 unit	19,995.00
1711-9230D	XL9 Tube Sorter System with Tracker 2D barcode reader (for specified tube sizes above)	1 unit	27,495.00
1711-9200	XL9 Tube Sorter System with analytical balance (for specified tube sizes above)	1 unit	30,995.00
1711-9232D	XL9 Tube Sorter System with Tracker 2D barcode reader & balance (for tube sizes above)	1 unit	35,995.00
MXL9CR	XL9 Cold Room option (Temperature Range: -4°C to 40°C)	1 unit	5,500.00
1711-9077	Rack supports: Note: If the tube size is 0.75 ml, 0.65 ml, or 0.50 ml, rack supports <u>must be</u> added		2,700.00
1711-2048	One day onsite installation and training - required for all tube sorter systems		2,500.00
MXL9AX	Active X Tool Kit		1,995.00
MXL9Dell	Dell P4 computer (no Monitor), keyboard, mouse, Windows XP, pre-loaded XL9 software		1,895.00
XL20 Tube Sorter Systems			
1711-2000	Base Model - sort-only (for Micronic 1.40 ml, Matrix 1.20 ml, and Abgene 1.20 ml)	1 unit	24,995.00
1711-2020	XL20 Tube Sorter System with Tracker 2D barcode reader (for specified tube sizes above)	1 unit	29,995.00
1711-2002	XL20 Tube Sorter System with analytical balance (for specified tube sizes above)	1 unit	34,995.00
1711-2232	XL20 Tube Sorter System with Tracker 2D barcode reader & balance (for tube sizes above)	1 unit	39,995.00
MXL20CR	XL20 Cold Room option (Temperature Range: -4°C to 40°C)	1 unit	5,500.00
1711-2652	Rack supports Note: If the tube size is 0.75 ml, 0.65 ml, or 0.50 ml, rack supports <u>must be</u> added		5,500.00
1711-9480	One day onsite installation and training - required for all tube sorter systems		2,500.00
1711-2029	Active X Tool Kit		1,995.00
1711-5200	XL20 Balance Ionizer		2,495.00
1711-3355D	Dell P4 computer (no Monitor), keyboard, mouse, Windows XP, pre-loaded XL20 software		1,895.00

Micronic Equipment

XL100 Vial Handler

- Automated vial weighing
- Work list based operation
- Flexible robotic integration
- Scans and decodes both 1D and 2D barcoded vials and tubes
- Easy to use LIMS integration
- Dimensions: 40"w x 26.5"h x 28"h



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www.usascientific.com!

Features

- 20 SBS rack capacity
- 1D/2D scan from side of vial
- 2D scan from bottom of vial

Balance Options

- 4-Place balance (0.10 mg)
- 5-Place balance (0.01 mg)

Special Features

- Intelligent pick head adjusts to tube size
- Encoder based robotics

Test Tube & Vial Compatibility

- Standard 96 tube rack (1 ml to 1.40 ml)
- Vials up to 18 mm in diameter
- Tubes/vials up to 100 mm in overall height

New Options

- Screw cap decapping station
- Liquid handling capability
- Thermal blocks for frozen samples

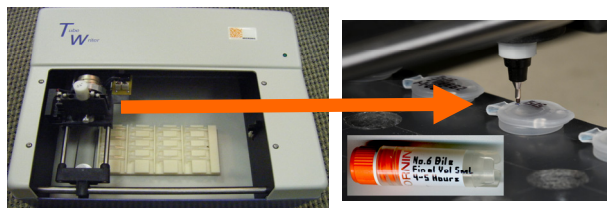


The XL100 sorts, reads, weighs, and decodes a variety of tube and vial sizes

XL100 Tube/Vial Handling System

Product #	Description	Unit Size	Unit Price
1711-0100	Base-model: Sort-only	1 unit	50,000.00
1711-1020	XL100 Vial Handling System with 2D barcode reader	1 unit	55,000.00
1711-1130	XL100 Vial Handling System with 1D barcode reader	1 unit	55,000.00
1711-1132	XL100 Vial Handling System with 1D and 2D barcode reader	1 unit	60,000.00
1711-1420	XL100 Vial Handling System with 4-place balance	1 unit	62,000.00
1711-1520	XL100 Vial Handling System with 5-place balance	1 unit	68,000.00
MXL1002DB	XL100 Vial Handling System with 2D barcode reader and 4-place balance	1 unit	67,000.00
MXL1001DB	XL100 Vial Handling System with 1D barcode reader and 4-place balance	1 unit	67,000.00
MXL1001D2DB	XL100 Vial Handling System with 1D and 2D barcode reader and 4-place balance	1 unit	72,000.00
MXL100DC	Decapping/recapping module	1 unit	20,000.00
1711-0177	XL100 Vial Handling System with vial rack (15x45mm)	1 unit	5,500.00
MXL100VR	XL100 Vial Handling System with vial rack - please specify size	1 unit	Call
MXL100BCS	Linear barcode scanner (hand-held, for rack ID scanning) for XL100	1 unit	495.00
MXL100HASP	XL100 Hardware USB Dongle Replacement (for 2D barcode reading)	1 unit	250.00
1711-0129	Active X Tool Kit for XL100		1,995.00
1711-0148	On-site installation, calibration, training		3,000.00

Micronic Equipment

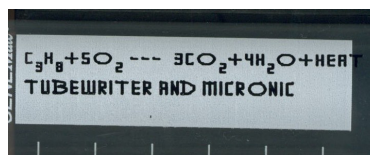


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TubeWriter Direct-Print Tube Labeling System

What does it do?

- Direct printing of water-proof and alcohol-proof ink on plastic or glass
- No ink cartridges - insert your labeling pen directly into the printer!
- Automated printing on:
 - Microcentrifuge tubes
 - Screw Cap tubes
 - Conical tubes
 - Cryogenic vials
 - Plates
 - Slides
 - ANY** tube!



- Prints on the sides or caps of tubes — no adhesives or labels!
- TubeWriter **now prints super- and subscripts** for neatly identifiable chemical compounds!
- Easy to read sample identification

How does it work?

- Simple Excel-based interface: just type your labeling data into a spreadsheet and click "PRINT"
 - TubeWriter can label up to 50 tubes in under 5 minutes
- Ethernet option allows an entire network to print on one unit!

TubeWriter Pricing

Product #	Description	Price
1712-1000	TubeWriter Standard - Direct-tube Printing System (includes printer, software, and 2 printer racks)	4,500.00
MTW4000	Higher Capacity TubeWriter (4x standard capacity)	8,495.00
1712-1001	Polycarbonate enclosure	350.00
MTW1003	Ethernet TCP/IP Network Printing Package	500.00
MTW1004	Dual Print Spooling Package	500.00
1799-0009	Additional 1-year warranty	350.00
MTW1002	Printing Rack Adapter - Please contact us with specific brand and tube size(s)	125.00
1799-1010	SideWriting Rack - Large Odorant Vial	125.00
1799-1011	SideWriting Rack - Small Odorant Vial	125.00
1799-1012	SideWriting Rack - Specimen Tube	125.00
1799-1013	SideWriting Rack - Drosophila Vial	125.00
1799-1014	SideWriting Rack - Sarstedt 15ml Conical	125.00
1799-1015	SideWriting Rack - Sarstedt 50ml Conical	125.00
1799-1016	SideWriting Rack - Corning 1.20ml Internally Threaded Cryovial	125.00
1799-1017	SideWriting Rack - 1.50ml Marsh Scientific Screw Cap Tube	125.00
1789-1018	SideWriting Rack - 1.50ml Eppendorf Microcentrifuge Tube	125.00
1799-1019	SideWriting Rack - 12x75 Culture Tube	125.00
1799-1020	TopWriting Rack - 1.50ml Marsh Scientific Screw Cap Tubes	125.00
1789-1021	TopWriting Rack - 1.50ml Eppendorf Microcentrifuge Tube	125.00
1789-1022	TopWriting Rack - 0.20ml Microcentrifuge (96 tubes/rack)	125.00
1789-1023	SideWriting Rack - 0.20ml Microcentrifuge (25 tubes/rack)	125.00
1799-1024	TopWriting Rack - 0.50ml Microcentrifuge (48 tubes/rack)	125.00
1799-1025	SideWriting Rack - 0.50ml Microcentrifuge (25 tubes/rack)	125.00
MTW10026	TopWriting Rack - 1.50/2.0ml Microcentrifuge (35 tubes/rack)	125.00
MTW10027	SideWriting Rack - 1.50/2.0ml Microcentrifuge (16 tubes/rack)	125.00
MTW10028	TopWriting Rack - 1.80ml Cryovial (32 tubes/rack)	125.00
MTW10029	SideWriting Rack - 1.80ml Cryovial (18 tubes/rack)	125.00
1799-1030	SideWriting Rack - 15ml Conical (8 tubes/rack)	125.00
1799-1031	SideWriting Rack - 50ml Conical (6 tubes/rack)	125.00
MTW10032	TopWriting Rack - Microplate	125.00
MTW10033	SideWriting Rack - 0.50ml Cluster (32 tubes/rack)	125.00
MTW10034	SideWriting Rack - 1.0ml Cluster (24 tubes/rack)	125.00

SampleWare

SampleWare is an easy to use, affordable, and powerful Laboratory Information Management System (LIMS)

- Manage sample inventory across all formats: freezers, liquid nitrogen, room temperature
- Upload and attach files to individual samples: images, sequence files, PDF reports
- Implement 1D or 2D barcode solutions
- Search for and locate specific samples in an instant
- Implement sample security with users, roles and passwords
- Client/Server or Single User editions

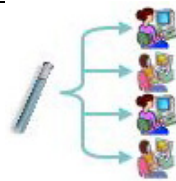


Common Uses of SampleWare:

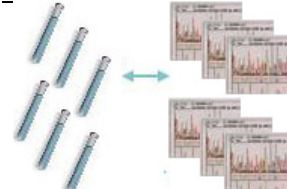
Freezer Management



Track Chain of Custody



High Throughput File Upload



SampleWare Features:

Custom Data Templates

- Create to match the types of specific samples (blood, tissue, DNA, etc.) being stored or tracked
- No limit to the number of data templates

Spreadsheet Data Entry and Copy/Paste From Excel

- Excel-like spreadsheet, simple setup for easy data entry
- Copy from Excel to import existing data, export to Excel to create reports

2D Barcode/RFID Interface

- Insert sample data from 2D barcode readers' sample lists (easy cut/paste process)
- Cut/paste readers' lists for use in search engine

Container View

- Displays data in 'box-top,' real world view for quick location/retrieval
- Samples can be color-coded by sample type

Sample Search

- Simple search: Google-like global search, works in an instant
- Advanced search: highly specific search, finds exact samples or groups

Flexible Data-Organization Hierarchy

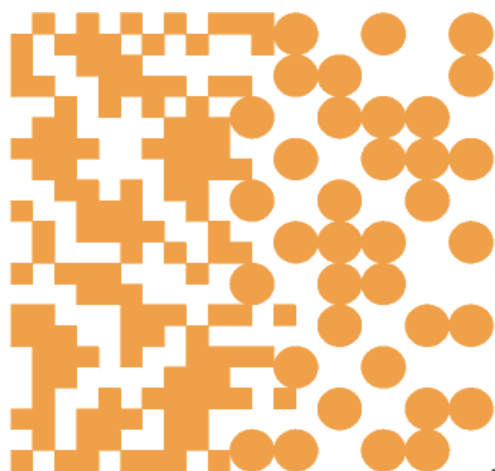
- Arrange data to match your lab's operational workflow
- Order by sample location, experiment, or scientist - no folder limit

Storage Barcoding

- Assign IDs for cabinets, doors, shelves, racks, etc.
- Store all assigned IDs in database with samples for quick locating and retrieval

SampleWare

Product #	Description	Price
1712-4120	SampleWare Version 3.0 Starter Edition - 2000-sample limit, Single-computer access	495.00
1712-4105	SampleWare Version 3.0 Basic Edition - 5000-sample limit, Single-computer access	1,500.00
1712-4110	SampleWare Version 3.0 Desktop Edition - No sample limit, Single-computer access	3,000.00
1712-4115	SampleWare Version 3.0 Network Edition - No sample limit, SQL server database, Network access	4,500.00



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