nbs
scientific

innovative lab solutions

collect - prepare - analyse - manage - store your samples

we deliver
you discover

ABOUT NBS SCIENTIFIC
Our mission, values and goals

NBS Scientific is an innovative distributor for the life science industry in Denmark. We offer a wide range of products to help researchers preserve and protect their samples during the sample collection, liquid handling, sample preparation, sample analysis, cell cultivation, sample management, and sample storage process.

When you choose to work with NBS Scientific, you're choosing a trusted partner that understands the scope and significance of your research. We strive to provide the highest quality products and the best possible service every day of the week. Whether you're searching for tubes or looking for an automated system, we're here to help—every step of the way.

Our product portfolio includes a range of consumables and equipment, including: sample stability reagents, sample storage tubes, rack thawing stations, barcode readers, benchtop equipment, frozen aliquotters, tube handlers, laser markers, tube labelers, (de)cappers, and heat sealers.

OUR VALUES
The four fundamental ideas that drive our company

INNOVATION

We are constantly exploring new markets to supply our customers with the most innovative products in the industry.

CREATIVITY

When customers ask us questions, we think beyond existing frameworks to help them solve unique challenges in the lab.

QUALITY

We provide products and services that are produced and carried out under the strictest quality standards.

SUSTAINABILITY

Our CSR program emphasizes sustainability and contributions to local and national charities.

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our brands

[AFYS]3G

basque
ENGINEERING·SCIENCE

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GenTegra®

novitain

SAMPLE STABILITY REAGENTS + COLLECTION TUBES

At NBS Scientific, we offer GenTegra's full line of nucleic acid stabilization products, sample collection cards, and extraction kits. Their most popular product, GenTegra-RNA, is a water-soluble chemical matrix that immediately shields purified RNA from RNases. When dried, it protects RNA from extreme temperatures encountered during shipping and storage.

GenTegra also offers the RNAssure elution tubes for immediate protection during RNA extraction and purification. Their newest product, GenTegra RNAdvantage, preserves RNA in fresh tissue samples at room temperature.

In addition to the GenTegra products, we offer 3 products from Novitain that can be used with sample collection tubes: a 50-well format rack, a complementary capcluster, and a manual capper to seal the tubes.

GENTEGRA STABILITY REAGENTS
For protecting RNA during shipping and long-term storage

GENTEGRA-RNA

- Complete solution for ambient shipping of RNA samples, eliminating the need for dry ice, styrofoam packaging and overnight shipping

- Eliminates risk of losing precious samples during transport from sublimation of dry ice or fluctuations in temperature

- RNA samples shipped in GenTegra RNA stable at room temperature for years with no degradation of the sample, meaning samples can be safely shipped over several days with standard ground shipping

- Compatible with RNA-seq, microarray methods, and qPCR analysis methods

- Simple workflow can be implemented for all labs: 1) apply RNA to GenTegra RNA tubes/wells; 2) dry for storage or shipping at ambient temperature; 3) recover samples by reconstituting with molecular biology grade water; 4) RNA is ready for use

- Available in multiple formats: screw cap tubes, 96-well microplates or 96-tube rack format, in bulk for 100 samples

PRESERVE SAMPLES DURING SHIPPING!

GENTEGRA-DNA

- Complete solution for ambient shipping and storage of DNA samples at extreme temperatures (from -80°C to +72°C)

- Protects DNA for more than 20 years at ambient temperature based on acclerated studies

- Protects DNA samples without special environmental controls

- High quality DNA samples even after multiple cycles of drying and rehydration

- Supports direct use in STR, qPCR, and other analysis methods

- Available in multiple formats: screw cap tubes, 96-well plates, in bulk for 100 samples

GENTEGRA RNASSURE

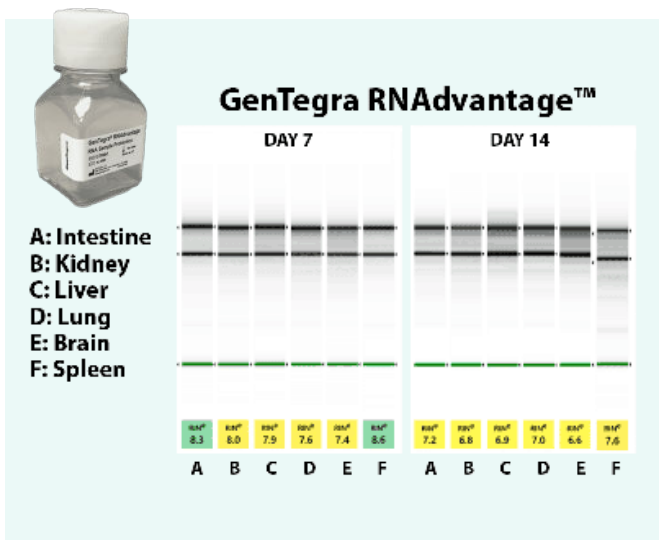*For protecting RNA during sample extraction and purification*

- An elution tube with GenTegra's patented chemical matrix dried down in the bottom
- Compatible with most column-based extraction and purification kits on the market
- Provides immediate protection to purified RNA samples upon elution
- Inactivates all residual RNase activity carried over from purification process or environmental contamination
- Protects RNA from oxidation damage, non-specific adherence to plastic, and adverse or accidental exposure to higher temperatures
- Protects RNA for at least 3 days at room temperature or 2 weeks at 4°C

PROTECT & PRESERVE YOUR RNA SAMPLES!

GENTEGRA RNADVANTAGE

For protecting RNA in fresh tissue samples

GenTegra RNAdvantage™

DAY 7   DAY 14

A: Intestine
B: Kidney
C: Liver
D: Lung
E: Brain
F: Spleen

RIN	RIN	RIN	RIN	RIN	RIN	RIN	RIN	RIN	RIN	RIN	RIN
8.3	8.0	7.9	7.6	7.4	8.6	7.2	6.8	6.9	7.0	6.6	7.6
A	B	C	D	E	F	A	B	C	D	E	F

- Preserves RNA at room temperature in fresh tissue samples
- Non-toxic solution that can easily permeate tissue samples for RNA stabilization
- Consistently yields RIN values of ≥ 7, ensuring excellent RNAseq results downstream
- User-friendly system: drop the tissue sample into ~10 times excess of the solution for immediate protection. Then, after shipment and storage, simply remove and process the sample as you normally would for RNA extraction

NOVITAIN

For short-term storage of sample collection tubes

50-WELL FORMAT RACK

- Compatible with 13.0 mm diameter tubes
- Designed to ensure equal temperature for all tubes during cooled storage
- Resists chemical solvents
- RNase and DNase free
- Manufactured in Class 7 Clean Room
- Material: polypropylene
- Dimensions: 207.8 x 115.8 x 63.5 mm
- Height of tubes in rack: 85.5 mm
- Height of tubes in rack (with caps): 86.5 mm

FLEX-50 SEAL MAT

- For short-term sealing of 13.0 mm diameter sample collection tubes in a 50-well format
- Retaining foil can be removed to leave each tube individually capped
- Multi-pierceable without losing seal integrity
- Resists chemical solvents
- RNase and DNase free
- Material: thermo plastic elastomer
- Temperature range: -20°C to +100°C (without foil)
- Cap height: 5.5 mm

MANUAL CAPPER MC2

- Seals 50 tubes at once in 2 seconds
- User friendly: place a Flex-50 seal mat on the racked sample collection tubes, place the rack in the unit, push the handle forward, pull the handle backward, remove the rack, and remove the retaining foil of the Flex-50 seal mat
- No adapters required; height adjustable
- Dimensions: 195.6 x 259.1 x 289.6 mm
- Weight: 12.02 kg

sample preparation

EQUIPMENT FOR PREPARING HIGH-QUALITY SAMPLES FOR DOWNSTREAM ANALYSIS

brands

The CXT 353 from Basque Engineering + Science is a frozen sample aliquotter that can extract multiple frozen aliquots from the same parent sample. It extends the lifespan of rare samples by eliminating the freeze-thaw cycle.

If samples must be thawed, the SPL Guard Florida can be used to thaw up to 10 racks of tubes in just 9 minutes. For thawing individual racks, the SPL Guard Arizona is available.

NBS Scientific also offers the full line of benchtop equipment from Vitl Life Science Solutions. Their portfolio includes a range of mixers, shakers, and dry block heaters.

THE CXT 353 FROZEN ALIQUOTTER
A benchtop frozen aliquotter that increases the lifespan of samples

- Benchtop instrument that can extract multiple frozen aliquots from a range of frozen samples like tissue, feces, serum, plasma, whole blood, and urine

- Parent sample and frozen aliquots maintained from -80°C to -150°C via LN2 chilling

- Single-use, nuclease-free probes prevent sample-to-sample carryover and contamination

- Laser can be used to target specific tissue sections for coring (note: laser does not generate heat)

- Eliminates damaging freeze-thaw cycles

- Compatible with wide range of vial types

- Technology allows for distribution of smaller sample volumes, extending the use of critical sample types like rare or late-stage disease, and pediatric samples

Left: *A frozen aliquot extracted by the CXT 353 Frozen Sample Aliquottter from Basque Engineering + Science.*

PREVENTS DAMAGING FREEZE-THAW CYCLES!

TISSUE XTRACTOR HAND TOOL
For manually extracting aliquots from frozen tissue samples

- Handheld tool for extracting frozen aliquots from frozen tissue samples

- Creates uniform aliquots from 3 mgs to 15 mgs

- Compatible with most tissue types and sizes

- Can be used to target specific tissue sections

- Avoids manual slicing of tissue

- Eliminates freeze-thaw cycle, preserving frozen tissue without contamination; increases sample utilization

- Includes: 6 bags of nuclease-free coring probes; 1 metal tray, 1 chilling nest for probes, 1 dry ice bucket, 1 Tissue Xtractor hand tool
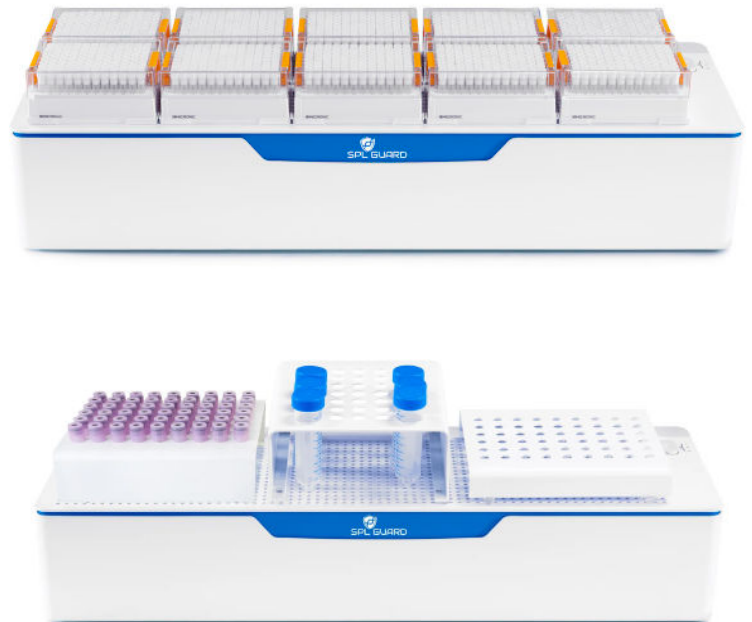
RACK THAWING

RACK THAWING STATIONS
A benchtop frozen sample aliquotter that maximizes the quality of samples

SPL GUARD FLORIDA

- Thaws up to 10 racks in as little as 9 minutes
- Racks can be positioned in portrait and/or landscape orientation
- Can be used as a stand-alone system or be integrated into a liquid handler
- Thaws samples at a consistent rate and temperature, guaranteeing sample quality
- Reduces uneven thawing to less than 20% per rack
- Includes 4 adapters: 1 rack adapter for ANSI/SLAS format racks, 1 adapter for 96-well format tubes, 1 adapter for centrifuge tubes, and 1 adapter for IVD-format tubes

SPL GUARD ARIZONA

- Thaws a complete rack of tubes with ambient air from -80°C to 5°C in 6 minutes
- Stops thawing when desired temperature is reached; confirms with a beeping sound
- Real-time temperature data displayed on screen during thawing cycle
- Compatible with range of SBS-format racks from brands like: Micronic, Azenta Life Sciences, Matrix, and LVL Technologies

Interested in a demo?
Contact us today to schedule a meeting with a Technical Sales Representative.

There are 3 ways to contact us:
- ☑ Email: info@nbsscientific.dk
- ☑ Web: www.nbsscientific.dk
- ☑ Phone: +45 5023 7090

VITL EQUIPMENT

For routine laboratory processes

COMPACT MIXING & HEATING SOLUTIONS!

CO-MIX

- Provides simultaneous, independently controlled microplate mixing and tube vortexing
- Speed range: up to 3,000 rpm for mixer and 3,500 rpm for vortexer
- Can create and store mixing profiles with variable ramp rates, mixing times, and speeds
- Supports 96 and 384-well skirted, semi-skirted, and unskirted microplates, deep well plates, 0.20ml PCR tubes, PCR strips, and 0.50 ml, 1.50 ml, and 2.00 ml tubes

THER-MIX

- Compact, quiet, and low vibration thermal mixer
- Mixing speed range: 200 rpm to 3,000 rpm
- Create and store mixing profiles with multiple mixing and heating steps
- Provides temperature uniformity and stability for reliable and reproducible results
- Versatile heat blocks prevent condensation in samples
- Interchangeable heated modules support various sample tubes and vessels

FLEXI-THERM

- Compact, programmable dry block heater
- Provides accurate and repeatable sample heating for range of laboratory consumables
- Ideal for sample preparation and incubation
- Has visual countdown timer and audible alert on completion to prevent overheating
- Precise temperature control for safe sample handling
- Memory function for previously used settings

sample analysis

brands

Vitl
LIFE SCIENCE SOLUTIONS

THE LU-MINI LUMINOMETER

For research applications like ATP determination, hygiene monitoring, water testing, DNA probe assays, cell-based assays, and drug discovery, we offer the Lu-Mini luminometer from Vitl Life Science Solutions. With the Lu-Mini, researchers can conduct a wide range of assays out in the field or back at the lab. It can directly accept 10 to 15 mm round tubes and 10 mm square cuvettes.

THE LU-MINI
A lightweight and versatile luminometer

- Powered by USB; plug-and-play out in the field or back at the lab

- Suitable for various applications, including: ATP determination, hygiene monitoring, water testing, active enzyme measurement, DNA probe assays, mycoplasma detection, cell-based assays, drug discovery, veterinary

- No adapters required; directly accepts 10-15 mm round tubes and vials and 10 mm square cuvettes

- Easy and versatile protocol selection including: single/dual point, peak detect, and kinetic data collection to tailor and optimize assay protocols and performance

- Storage capacity for up to 1000 test results

- Intuitive LCD touchscreen interface

- Measurement range: Typical: 5.0E6 RLU to Maximum: 8.0E6 RLU

- Solid-state detector

- 160 (L) x 235 (W) x 140 (H) mm

- Weight: 1.9 kg

- DC power source: 5V USB, 1.0A max

- 1-year warranty

- Ideal for universities, research laboratories, OEM reagent manufacturers, start-up assay development companies

Interested in a demo?
Contact us today to schedule a meeting with a Technical Sales Representative.

There are 3 ways to contact us:
- ☑ Email: info@nbsscientific.dk
- ☑ Web: www.nbsscientific.dk
- ☑ Phone: +45 5023 7090

cell cultivation

brands

PFEIFFER

CELL CULTIVATION SYSTEMS THAT GROW WITH YOUR NEEDS

With the CellRoll system from Pfeiffer, researchers can gently grow cells in roller bottles by fine-tuning essential parameters like rotation speed, rotation direction, pause times, and interval cycles. The roller bottles are driven by a stepper motor to guarantee smooth rolling, and rotations are free from vibrations to avoid unnecessary shear and stress.

With the CellSpin systems from Pfeiffer, researchers can cultivate cells in spinner flasks by modifying parameters like stirring direction and pause intervals. It's designed to work with spinner flasks that have two glass pendulums, but flasks from other brands can be used as well.

CELLSPIN

A stirring platform for cultivating cells in spinner flasks

- Each CellSpin unit can hold up to four spinner flasks

- Spinner flasks are available in 4 sizes: 100 ml, 250 ml, 500 ml, and 1000 ml

- Conversion kit available for other, impeller-type flasks

- Precisely set parameters like stirring speed and pause intervals

- Speed ranges from 5 rpm to 75 rpm and can be adjusted in steps of 2.5 rpm (5-40 rpm) or in steps of 5 rpm (40-75 rpm)

- CellSpin spinner flasks have two glass pendula for optimum mixing and low shear forces

- Design of stirring platform prevents release and transfer of heat to the cell suspension

- Dimensions: 294.9 (L) x 380 (W) x 74.93 (H) mm

- Weight: 3.4 kgs

GENTLE CELL CULTIVATION FOR SENSITIVE CELL LINES

CELLROLL

For optimized cell cultivation in roller bottles

- Fine-tune parameters like rotation speed

- Speed ranges from 0.1 rpm to 2 rpm and can be adjusted in steps of 0.1 rpm

- Faster drive unit available to rotate bottles between 2-6 rpm (adjustable in steps of 0.5 rpm)

- All rolls of the instrument turn on high-quality ball-bearings that are free from vibrations to avoid shear stress

- Unit driven by stepper motor to guarantee smooth rolling from start to stop

- Modular design: can scale up from 4 to 16 roller bottles

- With two drive units, up to 32 roller bottles can be operated using one control unit

- Compatible roller bottles: up to 189.6 mm length (including lid) and 99.8 mm to 119.9 mm diameter
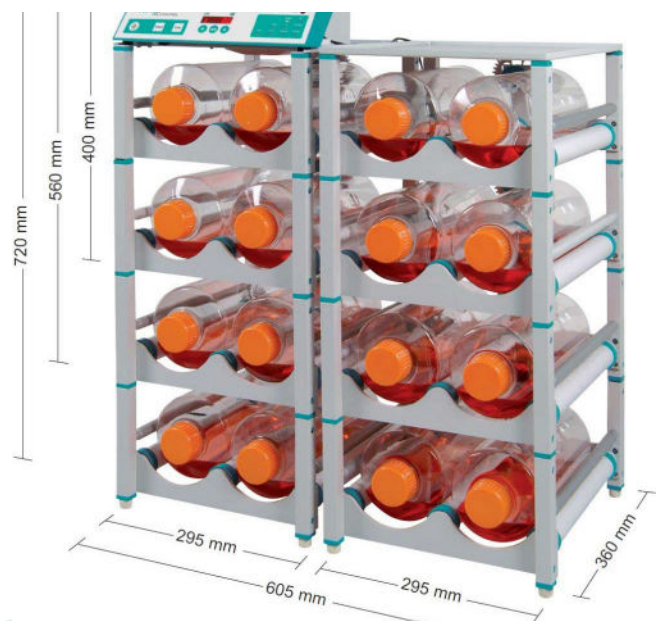
sample management

SOLUTIONS FOR MANAGING YOUR SAMPLES IN THE LAB

To optimize the sample management process, we offer a range of laboratory equipment from brands like Micronic, AFYS3G, and Scinomix.

With the automated HT700 Tube Handler from Micronic, researchers can sort up to 550 sample tubes per hour. Its semi-automated counterpart, the HT500, can be used to sort up to 400 sample tubes per hour.

With the Lambda576 Automated Laser Marker from AFYS3G, researchers can laser-etch up to 6 ANSI/SLAS format racks of tubes in sequence. Its manual counterpart, the Lambda8, can laser-etch individual tubes and other lab consumables with permanent markings.

To eliminate hand labeling tubes in the lab, we offer the fully-automated tube labeling systems from Scinomix. When paired with a bulk tube feeder (like the VXQ or VXi), these systems can label up to 300 tubes per hour. Additional modules can be added to dispense aqueous solutions and scan 2D barcodes.

THE HT500 TUBE HANDLER

An automated system that can sort and read up to 400 tubes per hour

- Max rack capacity: 20 racks
- Rack ID and rack position linked by using included handheld barcode reader for scanning
- Compatible with 96-well tubes: 0.30 ml, 0.40 ml, 0.50 ml, 0.75 ml, 0.80 ml, 1.10 ml, and 1.40 ml
- Includes 1D handheld barcode reader and integrated 2D tube code scanner
- User-friendly, intuitive interface included
- Can be used as stand-alone device or be integrated with LIMS systems
- Load CSV file pick list from USB stick
- Output CSV file of rack content

THE HT700 TUBE HANDLER

An automated system that can sort and read up to 550 tubes per hour

AUTOMATE THE SAMPLE SORTING PROCESS!

- Max source rack capacity: 24 racks
- Max target rack capacity: 3 racks
- Designed with small footprint but large capacity
- Short distance between samples and target racks make for quick and easy sorting
- Automatic linking between rack ID and rack position; no need to use separate 1D code reader
- Closed system guarantees user safety; separate safety stop included for sample and product protection
- Compatible with 96-well format tubes: 0.30 ml, 0.40 ml, 0.50 ml, 0.75 ml, 0.80 ml, 1.10 ml, 1.40 ml
- Includes 1D and 2D barcode reader
- User-friendly, intuitive interface included; no extra PC required
- Can generate "pick" list from LIMS system to load into unit via USB stick

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1D & 2D BARCODE READERS
For fast, accurate, and efficient sample identification

MICRONIC TUBE READER DT300

- Small, light-weight, portable device
- Can read 1D barcode or 2D Data-Matrix code on 24-, 48-, and 96-well format tubes/racks
- Includes high capacity lithium polymer battery; approximately 10-12 hours of continuous use
- Recharges through USB connection
- Keyboard wedge functionality for direct data entry into LIMS system
- Scan time: < 1 second
- Weight: 0.08 kgs

MICRONIC TUBE READER DT510

- Reads 1D barcoded tubes and racks on front of reader and 2D Data-Matrix coded tubes on top
- Separate scanning locations ensure fast and accurate code reading
- Keyboard wedge functionality for direct data entry into various applications
- Compatibility: 24-, 48-, 96-well format tubes/racks
- No software installation necessary
- Sound indication when code is read
- Scan time: < 1 second

DID YOU KNOW...

The Micronic code reader software is included at no extra cost (along with free upgrades and tech support) when you purchase a full-rack code reader. Features include: an automatic re-read function to ensure all codes in the rack are deciphered quickly; high-quality images of the codes and tube IDs; "no tube, no code" function if a tube cannot be found; adjustment controls for brightness, contrast, and threshold to optimize tube code display; code polarity recognition (works with white codes on black code surfaces or black codes on white code surfaces).

MICRONIC TUBE READER DR505

- Reads full racks of 2D Data-Matrix coded tubes
- Single tube reading function for 96-well tubes
- Includes passive anti-frost system that minimizes condensation from frozen samples on scanner plate
- Includes Micronic Code Reader Software
- Optional 1D Side Barcode Reader available
- Full rack scan time: < 5 seconds
- Single tube scan time: < 2 seconds
- CIS imaging technology

MICRONIC RACK READER DR700

- Reads full racks of 2D Data-Matrix coded tubes
- Single tube reading function for 24-, 48-, and 96-well format tubes
- Includes passive anti-frost system that minimizes condensation from frozen samples on scanner plate
- Includes Micronic Code Reader Software
- Full rack scan time: < 7 seconds
- Single tube scan time: < 2 seconds
- CCD imaging technology

MICRONIC RACK READER DR710

- Reads full racks of 2D Data-Matrix coded tubes
- Single tube reading function for 24-, 48-, and 96-well format tubes
- Includes active anti-frost system that circulates ambient air; prevents condensation from forming on the scanner plate
- Full rack scan time: < 7 seconds
- Single tube scan time: < 2 seconds
- CCD imaging technology

5-YEAR WARRANTY ON ALL CODE READERS!

we deliver
you discover

INFORMATION MARKING SYSTEMS
For laser-etching tubes with permanent markings

THE LAMBDA8 MANUAL LASER MARKER

- Compatible with 0.30 ml-15 ml tubes
- Compatible with 96-, 48-, 24-well format tubes
- Markings are laser-etched onto tube surface
- Can laser-etch racks, rack covers, sample storage caps, and other labware
- Can laser-etch any shape, logo, text, or sample ID onto tube surface
- Laser engraved markings can't be separated from plastic surface of tube
- Includes user-friendly software that can be used to create and select custom labware markings

THE LAMBDA576 AUTOMATED LASER MARKER

- Compatible with ANSI/SLAS format racks
- Max capacity: 6 ANSI/SLAS format racks
- No labels, stickers, or ink used to mark tubes
- Software can be used to laser various markings: 2D codes, 1D barcodes, logos, text, or sample IDs directly onto tube surface
- Markings can't be separated from tube, ensuring absolute sample traceability
- Markings are resistant to chemicals, mechanical abrasion, and temperatures between -196°C and +100°C
- Settings can be changed to accommodate tubes from different brands

DID YOU KNOW...

Tubes with white side walls, such as our hybrid tubes from Micronic, work best with the laser markers because of the stark contrast in color between the laser-etched markings and the white tube walls. The markings etched onto hybrid tubes give researchers the best opportunity to trace samples both manually and automatically, ensuring maximum traceability in the lab.

SEMI-AUTOMATED TUBE LABELER

For eliminating the manual application of labels from your workflow

SCI-PRINT SOLO TUBE LABELER

- Compatible with 0.50 ml to 50.00 ml tubes (8 mm to 29 mm diameter)
- Use as stand-alone unit or integrate into larger automated systems like the Tecan EVO
- Thermal transfer printer (300 or 600 dpi)
- Windows based software
- CE certified
- Consistent label placement
- Eliminates human error that can occur from hand labeling
- Increases productivity and efficiency in the lab

CAN BE INTEGRATED INTO LARGER AUTOMATED SYSTEMS!

PLATE LABELERS

For printing and applying labels to microplates
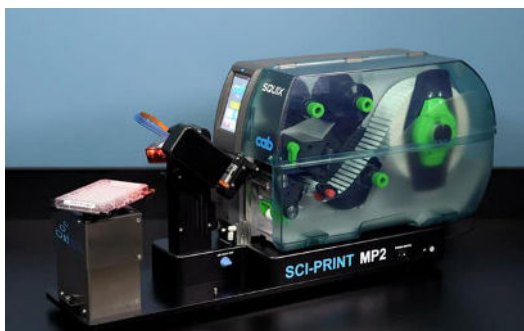
SCI-PRINT MP2 PLATE LABELER

- Semi-automated device that prints and applies labels to microplates for sample tracking
- Can be used as stand-alone unit or integrated into fully automated environment
- Has rotating, height-adjusting platform that provides flexibility to print on all sides and two vertical levels of microplates
- Barcode reader available for validation

SCI-PRINT MP2+ PLATE LABELER

- Fully-automated device that prints and applies labels to microplates and deep well blocks
- Higher throughput for more walk away time
- Includes two vertical stackers for loading and unloading of microplates; additional stackers can be added to increase capacity
- Labels can be applied to all sides of the plate in any combination

we deliver
you discover

FULLY-AUTOMATED TUBE LABELERS
For automating the tube labeling process in your lab

SCI-PRINT VX2

- Fully-automated tube labeling system

- Additional modules available for receiving bulk tubes, filling tubes with aqueous solutions, and reading or validating tubes with 2D scanner

- Compatible with tubes and vials from 0.50 ml to 50.00 ml in size

- Throughput: 400 tubes per hour

- 6-position work deck that accommodates up to 600 tubes (if larger work deck required, the **Sci-Print VXL** is available)

- Includes thermal transfer printer

- Can handle honeycomb plates

- With universal gripper, can handle multiple tube types with the same system

- Reduces repetitive injuries from hand labeling and eliminates human error

BULK TUBE FEEDER
For pre-racking tubes in the Sci-Print VX2 or Sci-Print VXL

SCINOMIX VXi

- Pairs with Scinomix labelers

- Saves more time by eliminating hand loading of tubes into racks

- Uses optical technology to detect tube orientation for labeling and racking

- Compatible with internally and externally threaded tubes as well as capped and uncapped tubes (8 mm to 28 mm in diameter)

- Optional hopper extension available to increase tube capacity

- Allows researchers to purchase tubes in bulk for cost-savings

sample storage

SAFELY STORE AND PROCESS SAMPLES IN THE LAB!

PRESERVE AND PROTECT YOUR SAMPLES DURING STORAGE

At NBS Scientific, we offer the full range of 96-well, 48-well, and 24-well format sample storage tubes, caps, and racks from Micronic. Tube volumes range from 0.30 ml to 6.00 ml and are available non-coded, alphanumeric-coded, or 2D Data-Matrix coded.

TPE push caps are available for internal and external thread tubes in 96-well format. Screw caps are also available for internal and external thread tubes in 96-well, 48-well, and 24-well format.

The Micronic range of ultra-low temperature (ULT) racks have an extremely strong design for cryogenic storage.

To process samples in the lab, we also offer (de)cappers for both push cap and screw cap tubes from brands like AFYS3G, Scinomix, and Micronic. For lower throughput labs, we offer manual or semi-automated cappers like the CS500 and CP400. For higher throughputs, we offer fully-automated cappers like the CS700, Sigma96, and Scinomix RapidCap2.

brands

MICRONIC
INNOVATION IN SAMPLE STORAGE

[AFYS]3G

scinomix

we deliver
you discover

INTERNAL THREAD TUBES
Overview and specifications

	0.50 ml	0.75 ml	1.10 ml	1.40 ml	2.00 ml	4.00 ml	6.00 ml
Storage Rack **Ultra Low Temperature Rack**	Loborack-96 Micronic 96-1/Q1	Loborack-96 Micronic 96-2	Roborack-96 Micronic 96-3	Roborack-96 Micronic 96-4	Roborack-96 Micronic 96-5	Micronic 48-4	Micronic 24-4
Thread Type **Tube Type** **Inner Tube Shape**	**Internal** Screw Cap tube V-bottom	**Internal** Screw Cap tube V-bottom	**Internal** Screw Cap tube V-bottom	**Internal** Screw Cap tube V- or U-bottom	**Internal** Screw Cap tube U-bottom	**Internal** Screw Cap tube Flat-bottom	**Internal** Screw Cap tube Flat-bottom
Working volume PC (+21°C)* **Working volume PC (-80°C)*** **Working volume SC (+21°C)*** **Working volume SC (-80°C)***	0.30 ml 0.30 ml 0.21 ml 0.21 ml	0.58 ml 0.55 ml 0.48 ml 0.48 ml	0.90 ml 0.80 ml 0.80 ml 0.73 ml	1.15 or 1.20 ml 0.95 or 1.06 ml 1.04 or 1.10 ml 1.01 or 0.98 ml	1.58 ml 1.40 ml**** 1.49 ml 1.25 ml****	N/A N/A 2.70 ml 2.45 ml	N/A N/A 4.80 ml 3.60 ml
2D Data-Matrix coded **Alphanumeric Coded** **Non-Coded**	Yes Yes Yes	Yes Yes Yes	Yes No Yes	Yes Yes Yes	Yes Yes No	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	Low Profile SC Screw Cap Push Cap	Low Profile SC Screw Cap Push Cap	Low Profile SC Screw Cap Push Cap	Screw Cap	Screw Cap
Outer Diameter **Tube Height** **Tube Height w/ PC**** **Tube Height with SC**	9.0 mm 18.5 mm 19.5 mm 26.0 mm	9.0 mm 26.0 mm 27.0 mm 33.5 mm	9.0 mm 36.5 mm 37.5 mm 44.0 mm	9.0 mm 44.0 mm 45.0 mm 51.5 mm	9.0 mm 59.0 mm 60.0 mm 66.5 mm	13.0 mm 44.0 mm N/A 51.0 mm	16.3 mm 43.4 mm N/A 51.4 mm
Available Precapped **Twist-lock** **Snap Tube Option** **Sterilization Option** **DNase/RNase free** **Made in class 7 clean room** **Min. Storage Temp**** **Availability**	Yes Yes Yes Yes Yes Yes VP LN2 Bulk, Rack	Yes Yes Yes Yes Yes Yes VP LN2 Bulk, Refill, Rack	Yes Yes Yes Yes Yes Yes VP LN2 Bulk, Rack	Yes Yes Yes Yes Yes Yes VP LN2 Bulk, Refill, Rack	Yes Yes Yes Yes Yes Yes -80°C*** Bulk, Rack	Yes Yes No Yes Yes Yes VP LN2 Bulk, Rack	Yes Yes No Yes Yes Yes VP LN2 Bulk, Rack

* If more sample volume is used in a tube than the specified working volume, possible deformation of the tube may occur. ** Also applicable for the Low Profile Screw Cap. *** Temperature range of the material of tubes, caps and racks is approved from -80°C to +100°C. In practice tubes are used in lower temperature until vapor phase LN2 (-150°C to -196°C). Micronic does not recommend storing 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 rack with a cover.
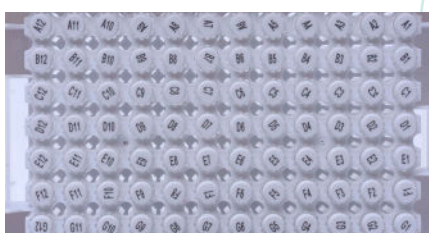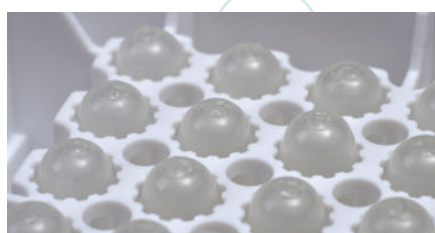
EXTERNAL THREAD TUBES
Overview and specifications

	0.30 ml	0.40 ml	0.75 ml	0.80 ml	1.00 ml	1.10 ml	1.40 ml	2.00 ml	3.50 ml	4.00 ml
ULT Rack	Micronic 96-1	Micronic 96-1	Micronic 96-2	Micronic 96-3	Micronic 48-1	Micronic 96-3	Micronic 96-4	Micronic 96-5	Micronic 24-2	Micronic 48-4
Thread Type	**External**	**External**	**External**	**External**	**External**	**External**	**External**	**External**	**External**	**External**
Tube Type	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap
Inner Tube Shape	V-bottom	V-bottom	V-bottom	V-bottom	Flat Bottom	V-Bottom	V-bottom	V-bottom	Flat Bottom	Flat Bottom
Working volume PC (+21°C)*	0.25 ml	0.38 ml	0.57 ml	0.68 ml	N/A	0.85 ml	1.03 ml	1.48 ml	N/A	N/A
Working volume SC (+21°C)*	0.32 ml	0.40 ml	0.60 ml	0.75 ml	0.85 ml	0.93 ml	1.11 ml	1.55 ml	3.35 ml	3.40 ml
Working volume SC (-21°C)*	0.25 ml	0.38 ml	0.55 ml	0.65 ml	0.85 ml	N/A	1.05 ml	1.25 ml	3.05 ml	3.00 ml
Working volume SC (-80°C)*	0.25 ml	0.36 ml	0.55 ml	0.65 ml	0.85 ml	N/A	0.94 ml	1.25 ml	3.05 ml	3.00 ml
2D Data-Matrix Coded	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alphanumeric-Coded	No	No	No	No	No	No	No	No	No	No
Non-Coded	No	No	Yes	No	No	No	Yes	No	No	No
Capping Options	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap	Screw Cap
Outer Diameter	8.8 mm	8.8 mm	9.0 mm	8.8 mm	13.0 mm	9.0 mm	9.0 mm	9.0 mm	16.3 mm	13.0 mm
Tube Height	16.4 mm	21.8 mm	30.0 mm	34.8 mm	16.0 mm	41.0 mm	48.0 mm	63.0 mm	30.0 mm	48.0 mm
Tube Height with PC	17.8 mm	23.2 mm	31.4 mm	36.2 mm	N/A	42.7 mm	49.4 mm	64.4 mm	N/A	N/A
Tube Height with SC	19.9 mm	25.3 mm	33.5 mm	38.3 mm	19.7 mm	44.6 mm	51.5 mm	66.5 mm	33.5 mm	51.5 mm
Available Precapped	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Twist-lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Snap Tube Option	No	No	No	No	No	No	No	No	No	No
Sterilization Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DNase/RNase free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Made in class 7 clean room	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Min. Storage Temperature**	VP LN2	VP LN2	VP LN2	VP LN2	VP LN2	VP LN2	VP LN2	-80°C***	VP LN2	VP LN2
Availability	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack

Coding Options: non-coded tubes, alphanumeric-coded tubes, 2D Data-Matrix coded tubes.

STORAGE TUBES

HYBRID TUBES
Externally threaded tubes with 4 unique coding concepts

4 UNIQUE CODING CONCEPTS!

	0.75 ml	**1.40 ml**	**1.50 ml**	**2.00 ml**	**3.00 ml**	**3.00 ml**	**6.00 ml**
Ultra Low Temperature Rack	Micronic 96-2	Micronic 96-4	Micronic 24-1	Micronic 48-2	Micronic 48-3	Micronic 24-1	Micronic 24-4
Thread Type	**External**	**External**	**External**	**External**	**External**	**External**	**External**
Tube Type	Hybrid tube	Hybrid tube	Hybrid tube	Hybrid tube	Hybrid tube	Hybrid tube	Hybrid tube
Inner Tube Shape	U-bottom	U-bottom	Flat-bottom	Flat-bottom	Flat-bottom	Flat-bottom	Flat-bottom
Working volume PC (+21°C)*	0.57 ml	1.03 ml	N/A	N/A	N/A	N/A	N/A
Working volume SC (+21°C)*	0.62 ml	1.20 ml	1.45 ml	1.95 ml	2.90 ml	2.45 ml	6.00 ml
Working volume SC (-21°C)*	0.62 ml	1.06 ml	1.40 ml	1.80 ml	2.60 ml	2.25 ml	5.55 ml
Working volume SC (-80°C)*	0.60 ml	1.00 ml	1.30 ml	1.65 ml	2.60 ml	2.25 ml	5.30 ml
2D Data-Matrix Coded	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alphanumeric-Coded	No	No	No	No	No	No	No
Non-Coded	No	No	No	No	No	No	No
Human Readable Coded (Bottom)	No	No	No	No	No	No	No
1D Barcoded (Side)	Yes	Yes	No	Yes	Yes	No	Yes
Human Readable Coded (Side)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Capping Options	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap
Outer Diameter	8.8 mm	8.8 mm	16.3 mm	13.0 mm	13.0 mm	16.3 mm	16.3 mm
Tube Height	30.0 mm	48.0 mm	16.0 mm	30.0 mm	41.0 mm	23.0 mm	48.0 mm
Tube Height with Push Cap	31.4 mm	49.4 mm	N/A	N/A	N/A	N/A	N/A
Tube Height with Screw Cap	33.5 mm	51.5 mm	19.5 mm	33.5 mm	44.5 mm	26.5 mm	51.5 mm
Available Precapped	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Twist-lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Snap Tube Option	No	No	No	No	No	No	No
Sterilization Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DNase/RNase free	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Made in class 7 clean room	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Minimum Storage Temperature**	VP LN2	VP LN2	VP LN2	VP LN2	VP LN2	VP LN2	VP LN2
Availability	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack

DID YOU KNOW...
Micronic also offers Hybrid Tube Small Packs featuring 10 racks of hybrid tubes precapped with grey screw caps. The following tube sizes are available: 0.75 ml and 1.40 ml tubes in 96-well format; 2.00 ml and 3.00 ml tubes in 48-well format; 1.50 ml, 3.00 ml, and 6.00 ml tubes in 24-well format.

INTERNAL THREAD SCREW CAPS
For sealing internally-threaded screw cap tubes for ultra-low temperature storage

STANDARD SCREW CAPS (INTERNAL THREAD)

- Made from polypropylene with high-quality silicon O-ring
- Compatible with Micronic screw cap tubes in 96, 48, or 24-well format from 0.50 ml to 6.00 ml in size
- Low profile screw caps save up to 33% of freezer space
- Available in 12 colors: grey, white, yellow, orange, red, pink, purple, blue, light blue, green, light green, black
- Resistant to chemical solvents
- Storage temperature range: vapor phase LN2 to +140°C

Also Available: the CS100 Screw Cap Recapper from Micronic for manually decapping individual screw cap tubes.

LOW PROFILE SCREW CAPS

- Made from polypropylene with high-quality silicon O-ring
- Compatible with the following Micronic screw cap tubes in 96-well format: 0.50 ml, 0.75 ml, 1.10 ml, 1.40 ml, 2.00 ml
- Saves up to 33% of freezer space
- Available in 12 colors: grey, white, yellow, orange, red, pink, purple, blue, light blue, green, light green, black
- Resistant to chemical solvents
- Storage temperature range: vapor phase LN2 to +100°C

SCREW CAP ULTRA

- Made from polypropylene
- Silicon O-ring falls in tube, sealing it with a "hard" stop
- Optimally designed for automated and manual handling
- Compatible with the following Micronic screw cap tubes in 96-well format: 0.50 ml, 0.75 ml, 1.10 ml, 1.40 ml, 2.00 ml
- Available in 4 premium colors: red, blue, light green, yellow
- Resistant to chemical solvents
- Storage temperature range: vapor phase LN2 to +100°C

The Screw Cap Ultra has a silicon O-ring that falls *within* tube.

The standard internal thread screw caps have a silicon O-ring that falls around base of cap.
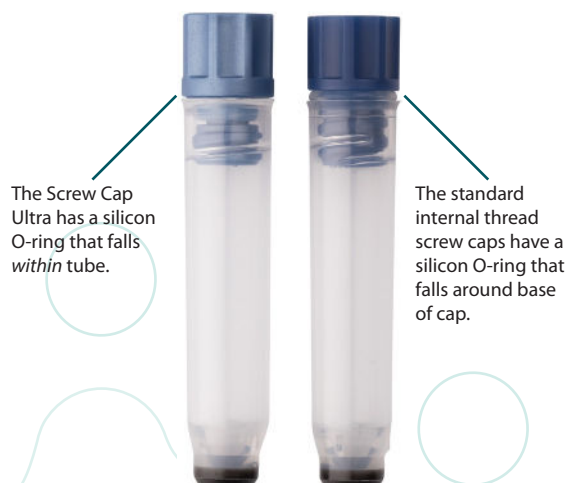
EXTERNAL THREAD SCREW CAPS
Designed with a triple-start thread for the most optimal seal quality

STANDARD SCREW CAPS

- Made from polyethylene
- Triple start thread ensures optimal seal quality for long-term storage at ultra-low temperatures
- Designed with unique lock when sealed to prevent screw cap from overturning
- Compatible with the line of 96-well format tubes from Micronic: 0.30 ml, 0.40 ml, 0.75 ml, 0.80 ml, 1.10 ml, 1.40 ml, 2.00 ml
- Compatible with the line of 48-well format tubes from Micronic: 1.00 ml, 2.00 ml, 3.00 ml, 4.00 ml
- Compatible with the following 24-well format tubes from Micronic: 1.50 ml, 3.00 ml, 3.50 ml, 6.00 ml
- Available in 12 colors: grey, white, yellow, orange, red, pink, purple, blue, light blue, green, light green, black
- Storage temperatures ranging from vapor phase LN2 to +100°C
- Resistant to chemical solvents
- RNase, DNase, pyrogen free

SCREW CAP IG
Designed with a snap ring inside the cap for better handling by recappers

- Made from polyethylene
- New lead-in on top of screw cap, snap ring inside of screw cap, and tactile improvement on outside to ensure better automated and manual handling
- Optimized cap height (5.8 mm) for more efficient storage in automated stores
- Available in 12 colors (same as standard screw caps)
- Resistant to chemical solvents
- RNase, DNase, pyrogen free

TPE PUSH CAPS

For securely sealing push cap tubes for long-term cryogenic storage

- ○ Made from thermo plastic elastomer
- ○ Compatible with 96-well format tubes (both internal and external thread)
- ○ Several TPE cap formats available: Capcluster-96 leaves each tube individually capped; Capmat-96 holds 96 caps in fixed foil where tubes are sealed together; Capband-8 or Capband-12 comes in mat format with perforated lines to obtain cap strips
- ○ Caps can be pierced repeatedly without losing seal integrity
- ○ Available in 13 colors: grey, white, yellow, orange, red, pink, purple, blue, light blue, light green, green, black, natural (Capcluster-96)
- ○ Economical solution for storage at temperatures down to -80°C
- ○ Resists chemical solvents
- ○ RNase, DNase, and pyrogen free
- ○ Special TPE push caps available for tubes with internal thread: Lyo Caps-96 are specifically developed for the lyophilization process as vents in the caps allow vapor to escape from the tubes
- ○ Sterilization options available
- ○ Can be precapped on Micronic tubes
- ○ Can be manufactured with split septum to pierce with pipette tip

TPE Capcluster-96 Grey

TPE Capmat-96 Grey

TPE Capband-8

The CP620 TPE Decapper from Micronic

(DE)CAPPING EQUIPMENT AVAILABLE!

Available TPE Capcluster-96 colors
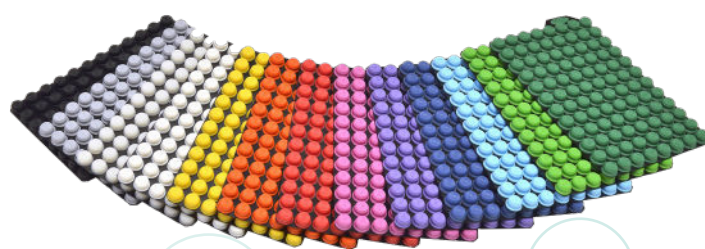
STORAGE RACKS

MICRONIC ULT STORAGE RACKS
For sample storage at ultra-low temperatures

	Micronic 96-1	Micronic 96-Q1	Micronic 96-2	Micronic 96-3	Micronic 96-4	Micronic 96-5
Rack Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Rack Capacity	96 tubes	96 tubes	96 tubes	96 tubes	96 tubes	96 tubes
Compatible Tubes	0.30 ml, 0.40 ml, 0.50 ml	0.50 ml	0.75ml	0.80 ml, 1.10 ml	1.40 ml	2.00 ml
Compatible Thread	internal/external	internal	internal/external	internal/external	internal/external	internal/external
Rack Height, No Cover	12.0 mm	16.0 mm	19.0 mm	22.7 mm	30.0 mm	41.0 mm
Tube Height in Rack, No Cap or Rack Cover	17.4 mm (0.30 ml) 22.8 mm (0.40 ml) 19.5 mm (0.50 ml)	19.5 mm	27.0 mm (internal) 31.0 mm (external)	35.8 mm (0.80 ml) 37.5 mm (1.10 ml)	45.0 mm (internal) 49.0 mm (external)	60.0 mm (internal) 63.8 mm (external)
Rack Height (Low Cover)	23.8 mm	30.8 mm	30.8 mm	41.5 mm	48.8 mm	66.8 mm
Rack Height (High Cover)	30.8 mm	N/A	37.8 mm	48.5 mm	55.8 mm	74.3 mm
Available Barcoded	Yes	Yes	Yes	Yes	Yes	Yes
Twist-lock	Yes	Yes	Yes	Yes	Yes	Yes
Sterilization Option	Yes	Yes	Yes	Yes	Yes	Yes
DNase/RNase Free	Yes	Yes	Yes	Yes	Yes	Yes
Sure Shot Design	No	No	No	No	No	No
Rack Locking System	Yes	Yes	Yes	Yes	Yes	Yes
Autoclavable**	No	No	No	No	No	No
Class 7 Clean Room	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Range***	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃
Chemical Resistance	++/+	++/+	++/+	++/+	++/+	++/+

	Micronic 48-1	Micronic 48-2	Micronic 48-3	Micronic 48-4	Micronic 24-1	Micronic 24-2	Micronic 24-4
Rack Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Rack Capacity	48 tubes	48 tubes	48 tubes	48 tubes	24 tubes	24 tubes	24 tubes
Compatible Tubes	1.00 ml	2.00 ml	3.00 ml	4.00 ml	1.50 ml, 3.00 ml	3.50 ml	6.00 ml
Compatible Thread	external	external hybrid	external hybrid	internal/external	external hybrid	external hybrid	internal/external hybrid
Rack Height, No Cover	12.0 mm	19.0 mm	22.7 mm	30.0 mm	12.0 mm	19.0 mm	30.0 mm
Tube Height in Rack, No Cap or Rack Cover	17.0 mm	31.0 mm	42.0 mm	45.0 mm (int.) 49.0 mm (ext.)	17.0 mm (1.50 ml) 24.0 mm (3.00 ml)	31.2 mm	44.0 mm (int.) 49.0 mm (ext.)
Rack Height (Low Cover)	23.8 mm	N/A	N/A	N/A	23.8 mm	N/A	N/A
Rack Height (High Cover)	N/A	30.8 mm	41.5 mm	55.8 mm	30.8 mm	37.8 mm	55.8 mm
Available Barcoded	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Twist-lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sterilization Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DNase/RNase Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sure Shot Design	No	No	No	No	No	No	No
Rack Locking System	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Autoclavable**	No	No	No	No	No	No	No
Class 7 Clean Room	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Range***	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃	VP LN2 to +140℃
Chemical Resistance	++/+	++/+	++/+	++/+	++/+	++/+	++/+

138-2 HD RACK
Based on the Society for Laboratory Automation and Screening standards

- Made from polycarbonate, which has excellent properties for low temperature storage (down to vapor phase LN2)
- Compatible with 0.75 ml and 0.80 ml tubes
- Dimensions based on ANSI/SLAS standards for sample storage racks
- Increases number of samples that can be stored up to 43% compared to standard rack in ANSI/SLAS footprint
- Strong design, which minimizes deformation due to temperature changes
- Standard available with laser-etched 1D rack barcode
- Open rack bottom
- Compatible with automated processes
- RNase, DNase, and pyrogen free
- Sterilization options available
- Can be manufactured with custom 1D rack barcode
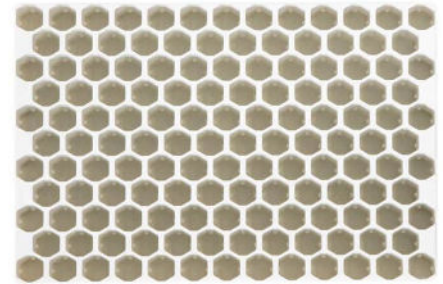
MICRONIC 96-DM RACK
For an extra layer of traceability

FEATURES AND BENEFITS

- Additional 2D code available on the following racks:
    - 96-1 ULT rack for 0.30 ml, 0.40 ml, and 0.50 ml tubes
    - 96-Q1 ULT rack for 0.50 ml tubes
    - 96-2 ULT rack for 0.75 ml tubes
    - 96-3 ULT rack for 0.80 ml and 1.10 ml tubes
    - 96-4 ULT rack for 1.40 ml tubes
- Compatible with Micronic's sample management and sample storage equipment: single tube and full rack barcode readers and (de)cappers

MAXIMIZE TRACEABILITY IN THE LAB!

Interested in a free sample?
Contact us today with your request. A Technical Sales Representative will respond within 24-48 hours.

There are 3 ways to contact us - - - - - - - - - - >

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☑ Web: www.nbsscientific.dk
☑ Phone: +45 5023 7090

STARTER PACKS

GET STARTED WITH 2D CODED TUBES
Push cap and screw cap options available

Basic Starter Pack
- 10 racks of 0.75 ml or 1.40 ml tubes
- 10 capclusters or 960 screw caps
- DT510 Tube Reader and DT300 Tube Reader
- Manual decapping tools

Standard Starter Pack
- 10 racks of 0.75 ml or 1.40 ml tubes
- 10 capclusters or 960 screw caps
- DR505 Rack Reader
- Manual decapping tools

What's included?
- ☑ Tubes
- ☑ Caps
- ☑ Racks
- ☑ Scanner(s)
- ☑ (De)cappers

Advanced Starter Pack
- 40 racks of 1.00 ml, 3.50 ml, or 4.00 ml tubes
- Tubes precapped with grey screw caps
- DR505 or DR710 Rack Reader
- 1D side barcode reader

Premium Starter Pack
- 40 racks of 0.75 ml or 1.40 ml tubes
- 40 capclusters or 3840 screw caps
- CS500 or CP400 Capper
- DR505 Rack Reader
- Manual (de)capping tools

Just need tubes?
Our tube trial packs include 1 unit of preracked tubes and 1 unit of caps. Available sizes include: 0.30 ml, 0.40 ml, 0.50 ml, 0.75 ml, 0.80 ml, 1.10 ml, and 1.40 ml tubes.

Premium+ Starter Pack
- 40 racks of 0.75 ml or 1.40 ml tubes
- 40 capclusters
- DR700 Rack Reader with 1D side barcode reader
- CP600 Capper
- Manual (de)capping tools

SCREW CAP RECAPPER CS100 SERIES

For manually decapping individual screw cap tubes

FEATURES AND BENEFITS

○ Manual (non battery powered) staineless steel (de)capping tool for screw cap tubes

○ Models available for 96-well, 48-well, and 24-well format tubes

○ Stops turning when perfect seal established

○ Ergonomic, light-weight solution for left and right handed use

SCREW CAP RECAPPER CS500 SERIES

For (de)capping an entire row of screw cap tubes

FOR (DE) CAPPING SCREW CAP TUBES!

CS500 SERIES RECAPPERS

○ (De)cap a row of 8 screw cap tubes (CS500), 6 tubes (CS510) or 4 tubes (CS520) in 5 seconds

○ Can (de)cap a full rack of 96 tubes in 1 minute

○ Minimizes cross-contamination

○ Ensures that each screw cap is reproducibly and uniformly tightened

○ Compatible with Micronic and other brands of tubes like Thermo, FluidX and LVL

○ Can be paired with Micronic Docking Station

○ Includes 1-year warranty

MICRONIC DOCKING STATION

○ Add to the CS500, CS510 and CS520 Screw Cap Recappers to create the consistency of an automated recapper

○ Compact, benchtop unit for medium throughput labs

○ Ensures consistent (de)capping for optimal seal performance

○ Improves ergonomics

○ Includes 1-year warranty

(DE)CAPPERS

SCREW CAP RECAPPER CS700 SERIES
For capping and decapping 96-well, 48-well, and 24-well format screw cap tubes

FEATURES AND BENEFITS

- Cap, decap, or recap a rack of 96 (CS700), 48 (CS710), or 24 tubes (CS720) in 30 seconds
- Can be used as stand-alone instrument or integrated into automated environment
- Touch screen can be used to select racks without needing adapters for different tubes
- Uses precisely determined torque value for high seal quality
- Minimizes sample evaporation and maximizes integrity of samples
- Compatible with Micronic and other brands of tubes like Matrix, FluidX and LVL

EASILY INTEGRATE WITH OTHER EQUIPMENT!

SCINOMIX RAPIDCAP2
For capping and decapping screw cap tubes between 0.50ml and 2.00ml in size
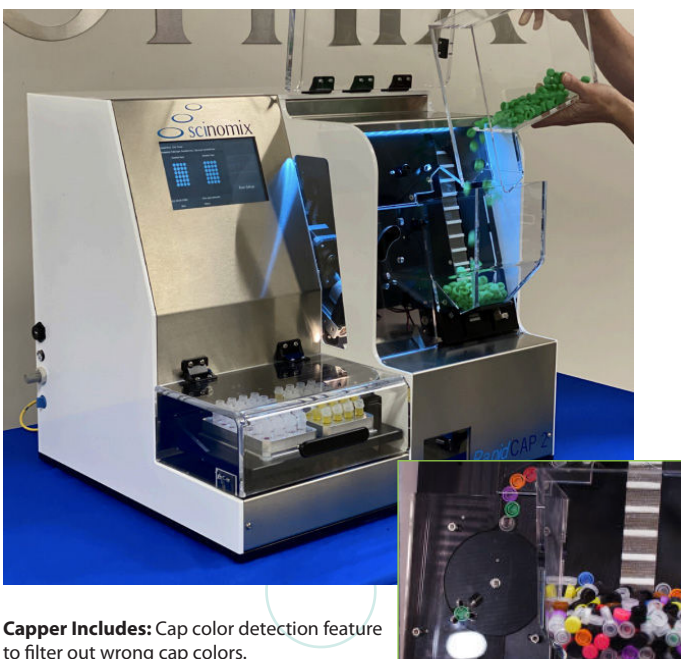
Capper Includes: Cap color detection feature to filter out wrong cap colors.

FEATURES AND BENEFITS

- (De)capping throughput: 4.75 seconds per tube
- User-friendly, touchscreen software
- Can process any cap color
- Cap color detection: filters out wrong cap color which might represent specific sample in lab
- Plug and play system; configured to user's needs
- Cap hopper holds approximately 1,000 caps to increase walk-away time
- Designed to hold 2 SBS footprint racks; custom rack adapters available for other tube/rack sizes
- Flexibility to integrate into third party automation
- Small, benchtop device

SIGMA96 SCREW CAP RECAPPER

For capping and decapping full racks of ANSI/SLAS format screw cap tubes

FEATURES AND BENEFITS

- Caps and decaps full rack of tubes in a single action

- Cycle time: 30 seconds

- Models available for 24-well (Sigma24) and 48-well (Sigma48) format screw cap tubes

- Compatible with screw cap tubes from a variety of brands like Micronic, FluidX, LVL Technologies, and Thermo Matrix

- Precise torque value set for optimal sealing quality, thereby minimizing sample evaporation and maximizing sample integrity

- Intuitive touch screen interface

- Easily accessible for maintenance

- Equipped with an interface (API) for integration into fully-automated lab environments e.g. can work in sync with liquid handlers

- Includes tube detection sensor: will not cap and decap tubes if they're not properly positioned in the rack, which will prevent damaging samples

- Reliable and durable instrument for labs managing compound libraries or biological sample stores

Interested in a free demo?
Contact us today to schedule an appointment with a Technical Sales Representative.

There are 3 ways to contact us - - - - - - - ->

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☑ Phone: +45 5023 7090

we deliver
you discover

(DE)CAPPERS

CP400 MANUAL PUSH CAP CAPPER
For manually capping racks of push cap tubes

FEATURES AND BENEFITS

- Uniformly cap an entire rack of 96 tubes in a single action
- Compatible with complete range of Micronic TPE or EVA style capmats, capbands and capclusters
- Also compatible with other brands of storage tubes and racks
- Can repeatedly and reliably cap tubes (up to 1.40 ml) in ANSI/SLAS format racks up to a maximum height of 48 mm

CP600 PUSH CAP CAPPER
For capping racks of push cap tubes in less than 7 seconds

FEATURES AND BENEFITS

- Compatible with Micronic TPE capmats, capbands, capclusters, and EVA capmats
- Compatible with 96-well format tubes up to 1.40 ml (48 mm)
- CP610 model available for tube sizes up to 2.50 ml (86 mm)
- Seals entire rack of 96 tubes in 7 seconds
- Works with full or partially-full racks (minimum of 10 tubes required)
- Guaranteed even capping result
- Operates without any buttons: place rack of tubes on drawer with caps and push drawer closed for automatic capping

CP620 AUTOMATED PUSH CAP DECAPPER
For decapping racks of push cap tubes in less than 8 seconds

FEATURES AND BENEFITS

- Compatible with Micronic's 96-well format tubes with internal thread (up to 1.40 ml)
- Decapping throughput: 96 tubes in 8 seconds
- Minimizes cross-contamination
- Operates as stand-alone unit or integrated into a fully-automated environment
- Simple and safe operation; no adapters required

VITL HEAT SEALING EQUIPMENT
For sealing microplates and PCR plates

VARIABLE TEMPERATURE SEALER

- Stable heat sealing performance ensures reliable one-time, hermetic sealing of multi-well microplates
- Compatible with 96-, 384-, and 1536-well microplates and deep well PCR plates
- Prevents sample loss through evaporation and cross contamination between wells
- Audible alarm indicates sealing completion and prevents overheating
- Adapters available for most plates
- Sealing temperature range: 125-200°C
- Sealing time range: 1-9 seconds in 0.5 second increments
- Warm up time (up to 170°C): < 10 minutes
- Heat sealing foils and films available

PREVENT SAMPLE LOSS IN THE LAB!

MICROTS MANUAL HEAT SEALER

- Fixed temperature manual heat sealer
- Ideal for sealing small quantities of plates
- Protect samples and prevent evaporation & contamination
- Sealing temperature: fixed temperature at 170°C +/- 2°C
- Warm up time: < 10 minutes
- Requires at least 1 adapter plate (sold separately)
- Heat sealing foils and films available

Interested in a free demo?
Contact us today to schedule an appointment with a Technical Sales Representative.

There are 3 ways to contact us:
- ☑ Email: info@nbsscientific.dk
- ☑ Web: www.nbsscientific.dk
- ☑ Phone: +45 5023 7090

**we deliver
you discover**

TECHNICAL SERVICE
Preventative maintenance plans are available to keep your equipment in excellent condition

By investing in a preventative maintenance plan, you can make sure your laboratory equipment functions properly every day of the year. Regardless of your location, our service technicians will install, demo, and repair your equipment on-site or virtually. Need a preventative maintenance plan? Can't fix an issue on your own? Contact us at info@nbsscientific.dk to discuss your laboratory's needs. We'll help you solve the issue so you and your team can get back up and running in no time.

OUR BRANDS
At NBS Scientific, we offer products in 6 main categories: sample collection, sample preparation, cell cultivation, sample analysis, sample management, and sample storage.

CORPORATE SOCIAL RESPONSIBILITY
Our efforts to promote a more sustainable future

At NBS Scientific, we try our best to promote a better, more sustainable world by implementing different sustainability efforts in the office. We also contribute to organizations that advocate for the health and welfare of animals and human beings. Listed below are some of the initiatives we've spearheaded in-house to create a more sustainable work environment.

REDUCE WASTE
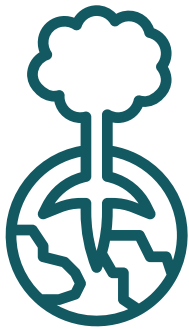
- Communicate via email & only print forms and papers when absolutely necessary
- Switch off all lights when not in use
- Reduce wooden pallet waste by donating to individuals and companies who can reuse or repurpose them

REUSE MATERIALS

- Reuse packaging from shipments when possible, including boxes, foam, and plastic air bubbles, and recycle any boxes damaged beyond use
- When possible, use sustainable cleaning products in recyclable containers

RECYCLE GOODS

- Emphasize recycling as a company-wide goal; use recycling bins for plastics, paper, cardboard, and metals
- Recycle empty ink cartridges
- Recycle electronics when necessary at local electronic drop-off locations

DID YOU KNOW...

Micronic proudly presents a more sustainable choice for sample storage with their 1.40 ml and 4.00 ml tubes, which have been verified by My Green Lab. These tubes now carry the ACT label—a premier eco-nutritional label for laboratory products that emphasizes Accountability, Consistenty, and Transparency. ACT labels make it easy to choose safe and sustainable products. Reading the ACT label is simple: the lower the score, the lower the impact on the environment in terms of manufacturing, energy and water use, packaging, and end-of-life.