



# innovative lab solutions

collect - prepare - analyze - manage - store your samples

## ABOUT NBS SCIENTIFIC

*We deliver the resources you need to discover new insights in the lab.*



Insights that could change the landscape of public health, wellness, and safety around the globe. When you're equipped with our innovative sample collection, sample storage, sample tracking, liquid handling, and lab automation products, you can improve and optimize your laboratory workflow to achieve consistently accurate research results more efficiently.

Beyond our physical resources, we also strive to help you identify and solve everyday challenges in the lab. By taking the time to learn more about your workflow, budget, and specific research application, we work hard to match you with the laboratory solutions that best meet your research needs.

When you choose to work with NBS Scientific, a global network of companies with over 20 years of experience in the life science industry, you're choosing a trusted partner who understands the scope and significance of your research. That's why we're committed to stocking your lab with the highest quality products and providing you with the best possible service every day of the week.

Whether you're part of a startup searching for its first case of tubes or a well-established lab looking for alternative sample storage, liquid handling, or automation products, we're here to help.

READ MORE  
ABOUT NBS  
ON PAGE 72

## OUR VALUES

*The four main values that drive our company.*

### INNOVATION



We are constantly exploring new markets and trends to supply you with the most innovative products in the industry.

### CREATIVITY



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

### QUALITY



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

### SUSTAINABILITY



Our corporate social responsibility program emphasizes sustainability and contributions to local and international charities.

## OUR BRAND PROMISE

At NBS Scientific, we vow to deliver the high-quality service and personalized solutions our customers need to discover major scientific insights in the lab. Need help finding the perfect solution for your research application? We've got you covered.

we deliver  
you discover

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## our brands

IAFYSIGG

AHN  
Electronik-Technologie  
 Vertrieb

CRYSTAL

GenTegra

HEKTROS

HIRSCHMANN

MICRONIC

novitain

PFEIFFER

ritter  
 MEDICAL

scinomix

SPL GUARD

we deliver  
you discover



# sample collection



brands

**GenTegra**

**novitain**

## RELIABLE, NON-INVASIVE SAMPLE COLLECTION SOLUTIONS THAT ENSURE ACCURATE RESEARCH RESULTS

At NBS Scientific, we offer innovative ways to collect and preserve samples at ambient temperatures. With our sample collection products, you can quickly and easily collect and preserve sensitive, valuable samples. The products from GenTegra will allow users to collect and protect DNA & RNA samples and even store them at room temperature for a limited time. The collection of Novitain products will allow you to temporarily store your valuable samples after they have been collected.

## GENTEGRA GENSAVER 2.0

*Collection of DNA and small molecule metabolites from dried blood spots.*

### FEATURES AND BENEFITS

- Available in GenSaver 2.0
- Collection of DNA from all forensic sample types
- GenTegra-DNA Active Chemical Protection matrix is incorporated
- Superior DNA protection at ambient temperatures
- Compatible with direct PCR protocols- no clean-up required and no PCR inhibition
- Manufactured to ISO 18385 compliance – no human DNA contamination
- Available in 1, 2, and 4 spot-formats
- Colour-changing formats are available for the collection of clear samples, such as saliva



## GENTEGRA BIOSAMPLE TFN™ CARDS

*Reliable and reproducible sample collection.*

### FEATURES AND BENEFITS

- Designed for micro-volume sampling, transport and ambient storage of biological samples
- Even and uniform sample distribution
- Made of white and pure absorbent filters for reproducible collection
- Contains no wet-strength additives or chemicals, minimizing possible interferences for reliable analytical results
- Rigorous quality control and manufacturing according to ISO 13485:2016 and ISO 9001:2015



we deliver  
you discover



STABILITY  
REAGENTS

GenTegra

## GENTEGRA DNA

Water-soluble chemical matrices that protect DNA in a dry state.



### FEATURES AND BENEFITS

- Can handle extremes of temperature (-80°C to +72°C) during shipment and storage
- Based on accelerated studies, GenTegra DNA protects DNA for up to 30 years and more at ambient temperature
- Can protect DNA without Humidity controls
- GenTegra-DNA is not hygroscopic and will not absorb water
- Has a shelf life of greater than 3 years stored at room temperature
- Available in multiple packaging formats: 100 screw cap tubes, 96-well microplates, and even bulk formats

## GENTEGRA GENPLATES

Safely store blood, buffy coat, and plasma at room temperature.



### FEATURES AND BENEFITS

- GenPlates utilize GenSaver paper with GenTegra's Active Chemical Protection technology
- Ideal for safely storing whole blood, buffy coat, and plasma at ambient temperature
- Automation-friendly, high-density 384-microplate 6-mm disc format for biobanking of blood and other biological fluids
- Contains a unique human-readable barcode for tracking and retrieval
- Also available with a desktop archival cabinet

## DID YOU KNOW...

We now offer GenTegra RNA products that allow you to store and protect your valuable samples at every stage.



**Tissue collection**  
> RNAdvantage



**Sample Purification**  
> RNAssure



**Shipment & Storage**  
> GenTegraRNA

## GENTEGRA RNADVANTAGE

*Better protection for RNA in fresh tissue samples.*

### FEATURES AND BENEFITS

- Provides significantly better protection for the RNA in tissues using RIN values as a measure of RNA quality
- Consistently yields RNA with RIN scores that are  $\geq 1$  point better than RNAlater.
- RIN values  $\geq 7$  for most tissues
- Best protection at 7 and 14 days at room temperature
- No RT-PCR or library prep inhibition
- Ensures reliable RNAseq data
- Makes field collection of tissue samples easier



STABILITY  
REAGENTS



**GenTegra**

## GENTEGRA RNASSURE

*Immediate, complete, and maximum RNA protection.*

### FEATURES AND BENEFITS

- Robust and reliable protection of RNA against all RNases as well as exposure to oxidation
- Inactivates all residual RNase activity carried over from the purification process or environmental contamination
- Utilizes GenTegra's proven, patented Active Chemical Protection™ (ACP) chemistry
- Can protect RNA for at least 3 days at room temperature (RT) and 2 weeks at 4 °C



## GENTEGRA RNA

*Water-soluble chemical matrices that protect RNA in dry & liquid states.*

### FEATURES AND BENEFITS

- Is able to protect RNA when being shipped for RNA sequencing and when stored in the lab for days
- GenTegra RNA protects against RNase activity
- Protects RNA better than when stored on dry ice
- Is able to provide superior RNA sequencing data
- GenTegraRNA is water-soluble





## NOVITAIN 50-WELL RACK

*Seal samples securely for temporary storage.*



### FEATURES AND BENEFITS

- Position 50 sample collection tubes in such a way that they are exactly compatible with the Novitain Capcluster-50
- Light-weight and has an open-well design to ensure equal temperature for all tubes during cooled storage
- Compatible with automated pre-analytical systems
- Resists chemical solvents & is free of any detectable RNase or DNase contamination

## NOVITAIN CAPCLUSTER-50

*A rapid solution for capping 50 racked tubes using the Novitain Manual Capper MC2.*



### FEATURES AND BENEFITS

- Ideal and economic solution for the secure short-term sealing of 13mm diameter sample collection tubes
- Multi-pierceable without losing seal integrity
- Resists chemical solvents & is free of any detectable RNase or DNase contamination
- TPE caps in Natural are made out of medical-approved material (USP Class VI certificate)

## NOVITAIN MANUAL CAPPER MC2

*Sealing sample collection tubes for temporary storage.*



### FEATURES AND BENEFITS

- Can seal 50 sample collection tubes at once and operates as a stand-alone device
- With a simple forward / reverse action of the black handle, all 50 tubes are evenly capped
- Avoids cross-contamination and assures the accuracy of test results
- Doesn't require adapters and is adjustable in height

REQUEST YOUR FREE DEMO NOW

CONTACT US AT: [INFO@NBSSCIENTIFIC](mailto:INFO@NBSSCIENTIFIC)



nouitain 



we deliver  
you discover



# liquid handling



brands

AHN  
Biochemistry  
Laboratory

HECTROS

ritter  
MEDICAL

scinomix

## OUR LIQUID HANDLING TOOLS AND EQUIPMENT ARE DESIGNED TO DELIVER PRECISION CONTROL FOR SAMPLES

At NBS Scientific, we offer a complete range of liquid handling tools, from manual and electronic pipettes to high-quality pipette tips for both manual and robotic systems, ensuring precision and reliability in every workflow.

We also provide advanced automation solutions like the Scinomix AQ aliquoting system, which streamlines sample aliquoting, pooling, dilution, and reagent dispensing across various labware types. With accurate air-displacement pipetting, a 9-position deck, and flexible package options, including VXi Bulk Feeder and Sci-Pump upgrades, the system adapts easily to your lab's needs. For tip management, the TipCube offers fast, automated rack filling in under four minutes per box, cutting consumable costs and plastic waste while removing the burden of manual refilling.

Together, our tools and automation platforms help labs boost accuracy, throughput, and sustainability.

## CAPP BRAVO PIPETTE

*Combines a lightweight ergonomic design with the latest innovations in pipetting.*

### FEATURES AND BENEFITS

- Available as a variable volume pipette (9 volume ranges starting from 0.1µl up to 10mL) as well as a fixed volume pipette
- Constructed of the highest quality autoclavable materials
- With a built-in oversized indicator, which makes volume monitoring and precise adjustment easy
- With metal shafts and double O-rings to increase the durability of the pipettes

MECHANICAL  
PIPETTES



AHN  
Technologies  
Labs



## CAPP AERO<sub>96</sub> PIPETTE

*The multichannel pipette guarantees accuracy and precision across all channels.*

### FEATURES AND BENEFITS

- Available in 8- and 12-channel pipettes
- Contains lightweight metal components and stainless steel pistons
- Has a unique construction that ensures extremely easy tip mounting and ejection
- The lower part of each pipette is slightly bent to eject only 2 tips at a time. This happens so smoothly, as if all 8 or 12 tips were ejected in one take
- Each tip cone is made of anodized aluminum and has double O-rings
- Incredibly robust and fully autoclavable, offering easy maintenance



## CAPP AERO<sub>384</sub> PIPETTE

*The ideal multichannel pipette for 384-well plates.*

### FEATURES AND BENEFITS

- Available in 16, 24, 32, 48, and 64-channel pipettes
- Quick and high-precision pipetting of 16, 48, or 64 wells at once or one row at a time with the 24 and 32-channel pipettes
- The perfect tool for liquid transfers from the reservoir and deep well plates into 384-well plates
- Lightweight ergonomic construction enables the consistent and reliable liquid transfer
- Recommend using with Capp ExpellPlus pipette tips



we deliver  
you discover



MECHANICAL  
PIPETTES

AHN  
Bioscience  
Laboratory

ritter  
MEDICAL

NOW WITH  
ECO-FRIENDLY  
PACKAGING



## CAPP ECO PIPETTE

*The most sustainable pipette on the market.*



### FEATURES AND BENEFITS

- Single-channel pipette that is carefully manufactured to exacting standards to extend its usable life
- Supplied in premium quality, biodegradable packaging
- Autoclavable pipettes that are truly accurate and truly robust
- Each critical component is intentionally designed and manufactured from premium-quality metals
- Well-thought-out metallic design of these premium-quality laboratory pipettes minimizes the chances of damage resulting from accidental drops
- Features a super-smooth piston stroke and an exceptionally low thumb load for aspiration and blow-out
- Featuring an exchangeable counter mechanism that allows users to quickly switch between different volume capacities without changing their single-channel pipettes.

## RITTER RIPETTO PRO

*Lightweight and reliable.*



### FEATURES AND BENEFITS

- Flexible: work with 12 tip sizes, 10 volume adjustments, and 120 program steps
- Independent: the pipette is maintenance-free and does not need any additional resources such as batteries or a power supply
- Handy: perfect ergonomic design makes easy and comfortable use possible
- Clear: volume adjustments and dosing are shown in the vision panel on the pipette
- Resistance: shows a high resistance towards a broad range of chemicals

## CAPP CAPPTRONIC PIPETTE

*Optimize your serial work in an ergonomic and user-friendly way.*

### FEATURES AND BENEFITS

- One of the easiest electronic pipettes to set up and use
- Available in single-channel and multi-channel
- Up to nine individual protocols can be stored thanks to the extensive memory capacity
- Next to standard pipetting, you can also use it for reverse pipetting, multi-dispensing, mixing, and sequential dispensing
- Supplied with one long-life and easily exchangeable lithium battery



ELECTRONIC  
PIPETTES

AHN  
Technologische  
Anlagen

## CAPP CAPPMAESTRO PIPETTE

*Become a maestro in pipetting skills.*

### FEATURES AND BENEFITS

- Optimize your serial pipetting work with advanced functions such as multi-dispensing, dilution, and mixing
- Fully coloured OLED display
- Easily store your favorite protocols
- equipped with long-lasting lithium batteries, enabling many hours of uninterrupted work
- Calibration and password setting functions are also available on CAPPMaestro
- The ability to use the pipettes while they are charging





## AHN MYPETTE PRO PIPETTE

*Engineered for accuracy, ergonomics, and effortless operation in every workflow*



### FEATURES AND BENEFITS

- Exceptional accuracy and precision for reliable pipetting performance
- Reduces risk of repetitive stress injuries (RSI)
- Suitable for high-throughput or routine pipetting tasks
- Application: Routine pipetting, extended use, accuracy-critical workflows

## AHN PIPET<sub>4</sub>U PRO PIPETTE

*Soft-grip design and low-force operation to minimize fatigue and maximize precision*



### FEATURES AND BENEFITS

- Soft-grip ergonomic handle for a secure, comfortable hold during extended use
- Designed to reduce repetitive strain injuries (RSI)
- Comfort-focused operation supports long pipetting sessions without fatigue
- Smooth and controlled pipetting for precise and consistent performance
- Ideal for routine, repetitive, or high-throughput workflows

## CAPP TEMPO PIPETTE CONTROLLER

*Aspirate the required volume in a fast and precise way.*



### FEATURES AND BENEFITS

- Has a unique and patented Electronic Brake System (EBS)
- Has an LED display, showing the aspiration and dispensing speeds as well as the remaining battery life status
- Turns off automatically after 20 seconds of non-use to conserve the battery
- Contains a Lithium battery, which fully loaded, provides you with 8 hours of continuous work

## CAPP HARMONY SEROLOGICAL PIPETTES

*Designed for accurate and rapid fluid dispensing.*

### FEATURES AND BENEFITS

- Sterile, pyrogen-free and cotton-plugged for a variety of liquid handling applications
- Reverse graduations show volume removed or remaining on all pipettes larger than 1ml
- Each pipette has an effective filter barrier to prevent liquid from overflowing
- Designed to fit all available motorized pipette controllers in the market



PIPETTE  
TIPS



**ritter**  
MEDICAL

## RITTER RITIPS REGULAR

*The classic range of dispenser tips.*

### FEATURES AND BENEFITS

- Available in eight classic sizes, which also includes the in-between sizes 0.05 ml, 1.25 ml, and 12.5 ml
- Uses a direct displacement method, which allows them to work well for infectious and volatile liquids
- Also available in bioclean® grade (single-sealed and sterilized) version
- Are suitable with: Ripette®, Ripette® pro, Multipette® 4780, Handrop, Minilab 100, Minilab 101, Minilab 201, Distriman®, Repetman®, StepMate, EasyStep, EasyStep electronic, RepeatOne®



## RITTER RITIPS EVOLUTION

*Universal dispenser tips for a variety of steppers.*

### FEATURES AND BENEFITS

- All nine sizes come with a colour-coded adapter for fast identification of the correct tip
- Easy and highly precise dosing, even in low-volume applications
- Reliable and repeatable results through automated, individual tests of every tip
- Each size is available in single-wrapped bioclean quality





PIPETTE  
TIPS

AHN  
Bioscience  
Solutions

## CAPP PIPETTE TIPS

*For various applications and dosages.*

### BULK PIPETTE TIPS

- Available in self-standing and self-sealing plastic bags
- Easy identification with label and batch number
- Cost-saving solution

### FILTER TIPS

- Prevent cross-contamination in critical applications
- Designed with a Premium filter, with controlled pore size, no use of additives, and dimensional consistency
- For molecular, clinical and life science use

### INDIVIDUALLY WRAPPED TIPS

- Ensure sterility for every single pipetting cycle
- Free from Endotoxin, DNase, RNase, and PCR inhibitor
- Universally compatible with almost all pipette brands

### RACKED PIPETTE TIPS

- Manufactured with superb quality Swiss injection molds
- Compatible with Capp Bulk tips and Capp Reload system
- Racks are available in standard Expell, as well as in ExpellPlus, low retention quality
- Racks are autoclavable
- Available in different lengths within the same volume range
- A smooth inner surface minimizes sample binding

### PACKAGED IN CARDBOARD BOXES

- Boxes are recyclable
- Reduces the pollution of the environment
- Great alternative to standard plastic racks
- Packed in space-saving dispenser towers with very little space requirements



RELOAD  
SYSTEM  
AVAILABLE!



## RITTER ROBOTIC TIPS

Precision pipette tips are suitable for robotic systems.

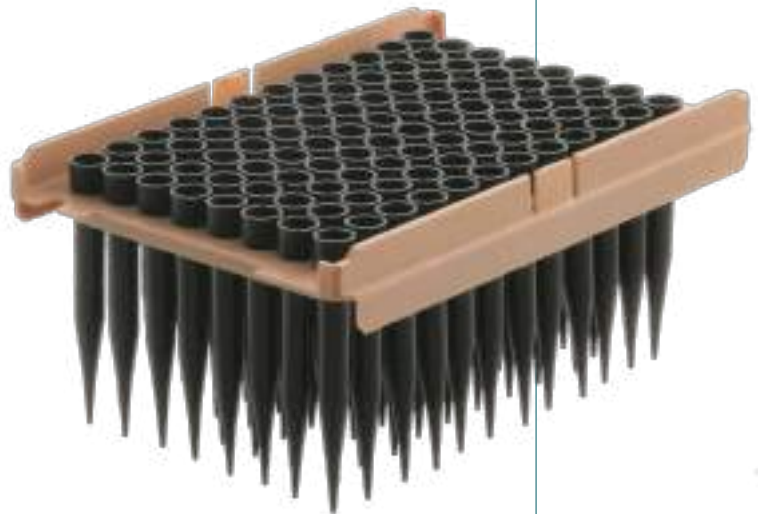
PIPETTE  
TIPS



**ritter**  
MEDICAL

### FEATURES AND BENEFITS

- Tips have a high accuracy and low retention
- Small volumes can be dosed with high precision and without contamination
- Available as 'Conductive Tips' and 'Clear Tips' and in 10 different sizes
- The conductivity of the black knights enables the system to recognize the filling height.
- Several quality controls in the manufacturing process guarantee quality
- Made from pure Polypropylene (PP)
- Tested and produced in cleanroom conditions
- Free of DNase, RNase, ATP, and endotoxins
- Compatible with liquid handling systems of the brands Hamilton, Tecan, Qiagen, Olympus, and Dynex
- Shipped vacuum sealed

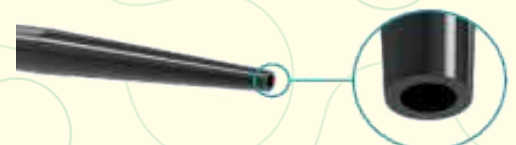


AVAILABLE AS  
CLEAR AND  
CONDUCTIVE TIPS



## MORE ABOUT THE WIDE BORE TIP:

Ritter Medical now offers new wide-bore robotic tips for gently handling blood molecules in order not to destroy the cell structures during pipetting. These pipette tips have been developed with a 50% wider opening through which particularly viscous samples such as blood plasma can be pipetted gently. The wide opening of the tip reduces the flow resistance of viscous samples and thus protects sensitive cells. This robotic tip is in particular most suitable for cell cultures, blood samples, macromolecules, or oils.



we deliver  
you discover

LIQUID  
HANDLERS

HEKTROS

AWARD  
FOR  
INNOVATION!

## HEKTROS TIPCUBE

Fully automated tip rack filling machine.



### FEATURES AND BENEFITS

- Fully automated filling system of pipette tips
- Quick setup time under 2 minutes
- High-capacity drum of more than 1,000 pipette tips
- Haptic feedback to assist with the correct placement of boxes/adapters
- LED Indicator for real-time machine status
- Conveyor unit ensuring smooth box loading
- Touch display for easy operation
- Customizable settings for tip preselection
- On-demand report for usage tracking
- Compatible with major brands

# SCINOMIX AQ ALIQUOTTING SYSTEM

*Fully automated aliquotting system.*

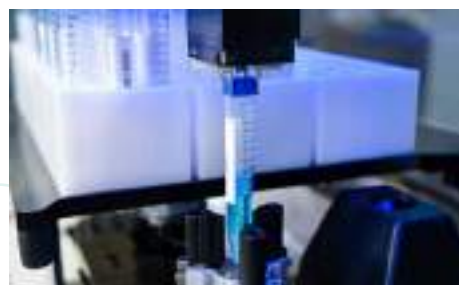
LIQUID HANDLERS



scinomix

## FEATURES AND BENEFITS

- Automated multiple workflows: aliquoting, pooling, dilutions, and reagent dispensing
- Flexible labware compatibility: works with tubes, vials, and plates
- High precision pipetting using Cavro Air Displacement Pipettor (ADP)
- Large deck capacity of 9 SBS-format deck positions
- Dedicated waste slot for used tips
- Throughput optimization with high-speed processing to handle large sample volumes
- Automates time-intensive processes like aliquotting and labeling
- Handles high sample volumes quickly, boosting lab productivity
- Works with different labware formats and volumes



we deliver  
you discover



# sample preparation



brands

AHN  
Electronics and Optics

CRYSTAL

SPL GUARD

## PREPARE SAMPLES FOR ANALYSIS WITH COMPACT AND EFFECTIVE BENCHTOP LABORATORY EQUIPMENT

At NBS Scientific, we offer a broad range of tools to prepare your samples efficiently and reliably before analysis. Our portfolio covers controlled sample thawing and essential benchtop equipment such as centrifuges, mixers, shakers, and vortexers.

We proudly supply instruments from Crystal Technology & Industries, including the FreezeCell and FreezeBox for safe sample handling and preservation.

For temperature-sensitive workflows, our thawing solutions from SPL Guard, including the high-performance Florida system, offer rapid, uniform, and robot-ready sample thawing with industry-leading speed and consistency to protect sample integrity.

With equipment from trusted brands and technologies, NBS Scientific supports streamlined, reproducible, and high-quality sample preparation across a wide range of applications.

# CAPP CENTRIFUGES

*Designed with ultimate user security in focus.*

## FEATURES AND BENEFITS

- Ultra quiet operation, also at the maximum speed
- Suction pads for assured stability during operation
- Unique electronic safety brake system for the protection of the user
- With brushless DC motors, which are maintenance-free
- Intuitive user interfaces
- 2-year warranty

CENTRIFUGES 

**AHN**  
Advanced  
 Technology  
 Network



**COMPACT AND BENCHTOP FRIENDLY!**

**CLINICAL CENTRIFUGE**  
 A powerful blood separator.



**MINI CENTRIFUGE**  
 Easy to use and high-performance centrifuge.



**MICRO CENTRIFUGE**  
 Extremely quiet.



**REFRIGERATED CENTRIFUGE**  
 For molecular and cellular applications.



**SWING OUT CENTRIFUGE**  
 Operates at a variable speed.

we deliver  
you discover

SHAKERS &  
MIXERS

AHN  
Microtechnology  
Labs

## CAPP SHAKERS AND STIRRERS

*A range with unique user-friendly and user-safety features.*



### SPECIFICATIONS OF CAPPRONDO BENCHTOP EQUIPMENT

- Large range available with different features
- Extremely robust and designed for extended runs
- Very quiet, even at maximum speed
- Extremely small footprint
- Large displays and intuitive interfaces

### OTHER CAPPRONDO EQUIPMENT

- Magnetic Stirrers
- Vortex Mixers
- Microplate Shakers
- 3D Shakers
- Platform Shakers
- Hot Plate Stirrers
- Blood Mixer Rollers
- Tube Rotators
- Magnetic Stirrer Hot Plates



MICROPLATE SHAKER

WITH SAFETY  
BRAKE  
SYSTEM!



VORTEX MIXER



HOTPLATE STIRRER



PLATFORM SHAKER

## CAPP BLOOD MIXER ROLLERS

*The ideal digital tube roller mixer for processing blood and other viscous liquid samples.*

### CRR-o8X TUBE ROLLER

- Equipped with a Brushless DC motor
- Quiet and maintenance-free operation
- Perfect for extended runs
- Store up to 15 blood tubes of 7mL
- Operates by rocking and rolling motion, ensuring a thorough mixing
- Programmable pulse mode available
- Detachable and autoclavable rollers
- Rollers have a length of 33cm
- Built-in timer setting up to 99 minutes
- Up to 9 programmable user protocols



SHAKERS & MIXERS



AHN  
Technologies  
GmbH

## CAPP MICROPLATE MIXER

*Provides thorough, simultaneous mixing.*

### THOROUGH MIXING OF 4 PLATES AT THE SAME TIME

- Provides thorough, simultaneous mixing in up to 4 individual microplates
- Compatible with the majority of commonly used skirted microplates
- Ensures ultimate mixing performance due to its 3mm orbital motion movement
- Equipped with a brushless DC motor
- Maintenance free
- Ideal for extended runs
- Programmable for mixing in the time intervals from 1 – 999 minutes, or infinite mode
- Takes minimum benchtop space
- Integrated digital display
- With rubber O-rings, which provide the shaker's ultimate grip for all 4 plates
- The loading and unloading, and accessing of the plates can be done without any effort





## CAPP SPIN COLUMNS

*A game changer for DNA/RNA purification.*

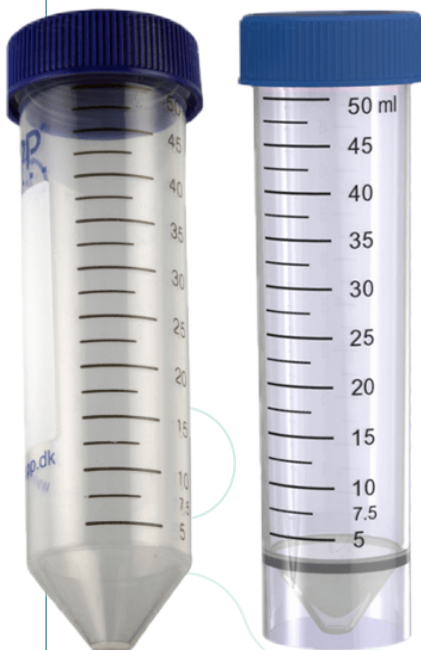


### FEATURES AND BENEFITS

- Separate, isolate, and purify biomolecules
- A simple workflow that results in exceptional quality
- Eliminate the need for molecular biology laboratories to spend a lot of money to get high-quality biomolecules for their diverse use cases
- Manufactured in a two-part system from a premium-grade of polypropylene
- Consists of a filter tube (0.8 mL) with a selection of filter membrane options as well as a receiver tube (1.5/2.0 mL)
- Uses the latest silica-based filtration membrane technology to bind nucleic acids with up to 99.99% efficiency

## CAPP BLUCAPP CENTRIFUGE TUBES

*High-quality and leak-proof conical centrifuge tubes.*



### FEATURES AND BENEFITS

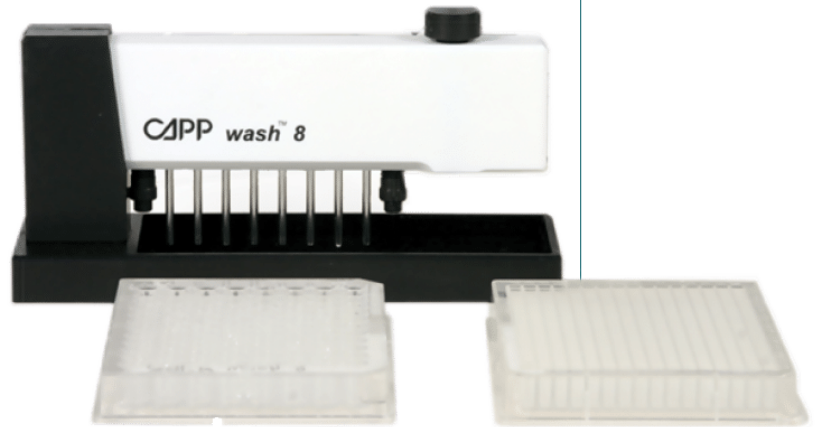
- Available in 15ml and 50ml
- Made of high-quality polypropylene
- 50ml tubes are available as self-standing centrifuge tubes (skirted) and non-skirted
- Can be sterilized by autoclaving at the temperature of 121°C for 20 minutes
- The leakproof caps of BluCAPP 15 mL conical tubes have large ridges, providing the optimal grip when wearing gloves
- Is able to endure the centrifugation force of 17.000 RCF
- Contains a clear and easy-to-read graduation marks and a large writing area (20x50mm)
- BluCAPP centrifuge tubes 15 mL come sterile, packed in bags of 25 pcs

## CAPPWASH PLATE WASHER

*Wash your microwells as a part of the ELISA testing process.*

### FEATURES AND BENEFITS

- The ideal ELISA plate washer for small-scale work
- Simple, compact, and cost-effective
- Available in 8-channel, 12-channel and, 16-channel versions
- Stainless steel robust design
- Has a 2-in-1 tube design, which prevents channels from clogging
- It is operated with just the click of a button



PLATES &  
PLATE WASHERS



AHN  
Technologies  
Labs

we deliver  
you discover



THAWING  
STATIONS



## SPL GUARD FLORIDA

To defrost multiple sample racks in a controlled manner.

FASTEST  
DEFROSTING  
STATION  
ON THE  
MARKET



### FEATURES AND BENEFITS

- High-capacity thawing: Can thaw up to 10 SBS/ANSI-format racks simultaneously
- Ultra-fast performance: Thaws fully loaded racks in just 9 minutes, 60% faster than conventional systems
- Reduces uneven thawing to less than 20% per rack, preserving sample integrity
- Can be used as a stand-alone device or integrated into automated workflows like robotic liquid handlers
- Supports racks in portrait, landscape, or mixed orientation
- Play-and-play operation
- Automation-ready: Includes a remote I/O port for seamless integration into larger automated systems
- High air flow: 150 cfm for rapid, uniform thawing



# SPL GUARD ARIZONA

Unique thawing station for uniform and fast thawing of samples.

THAWING STATIONS



## FEATURES AND BENEFITS



- Ultra-fast thawing: Thaws a complete SBS-format rack from -80°C to 5°C in only 6 minutes
- Uniform thawing with high-tech fans provides even thawing across all samples, preserving sample integrity for downstream analysis
- Built-in display shows real-time temperature progress
- Audible alerts signal when the target temperature is reached
- Uses only ambient air, reducing electricity consumption and environmental impact
- Works with a wide range of SBS-format racks from various brands
- Manageable benchtop footprint and high-quality construction for long-term lab use





BENCHTOP  
EQUIPMENT



## CRYSTAL FREEZEBOX

*Hassle-free cryopreservation with maximum visibility.*



### FEATURES AND BENEFITS

- Consistent cooling ensures a controlled and uniform cooling rate
- User-friendly process
- Designed for repeated use with no maintenance or replacement parts required
- Allows removal of either the entire box or individual samples as needed

## CRYSTAL FREEZECCELL

*Reliable cooling boxes for consistent cell preservation.*



### FEATURES AND BENEFITS

- Available in round, square, or hexagon designs
- Holds up to 1.0-2.0 mL cryovials or 1.5 mL centrifuge tubes
- Consistent cooling rate
- Simply load the sample, freeze at  $-80^{\circ}\text{C}$  for 3 hours, then move to storage
- Reusable & Maintenance-free
- No running costs; durable design for long-term use
- Easy-open lid, safe to hold directly the from freezer
- Remove either the entire box or individual samples
- Compact footprint maximizes freezer storage capacity

REQUEST YOUR FREE DEMO NOW

CONTACT US AT: [INFO@NBSSCIENTIFIC](mailto:INFO@NBSSCIENTIFIC)



SPL GUARD



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# sample analysis



## brands

**AHN**  
Biotechnologie  
Labor

**HIRSCHMANN**

**MICRONIC**

**ritter**  
MEDICAL

## HIGH-QUALITY EQUIPMENT AND CONSUMABLES THAT ARE USED DURING THE ANALYSIS OF SAMPLES

Accurate analysis depends on reliable consumables. NBS Scientific offers high-quality PCR tubes, strips, plates, and assay essentials engineered for clarity, stability, and full automation compatibility.

Our portfolio includes a broad selection from AHN Biotechnologie, pipettes, tips, PCR consumables, microplates, deep-well plates, cryoware, reagent reservoirs, and benchtop instruments across the AHN and CAPP brands. We supply Hirschmann glass tube plates for high-throughput applications, and a complete range of Micronic storage tubes, racks, caps, and sample management systems. Additionally, we offer precision consumables from Ritter, including deep-well plates and ritips for automated liquid handling.

# CAPP PCR PLATES, TUBES AND STRIPS

Products with an unrivalled level of sample care, usability and repeatability.

(Q)PCR  
CONSUMABLES



AHN  
Technologies  
Labsort

## CAPP EXPELL 384 PCR PLATES

- Optimal for a PCR signal from the bottom of the plate
- Ultra-thin treated walls to minimize the binding of proteins
- Evaporation rate below 3%
- Plates are rigid, flat and stackable
- Compatible with the majority of 384-well thermal cyclers



## CAPP EXPELL PCR PLATES

- 96-well PCR plates
- Autoclavable and highly transparent
- Optimal for bottom signals
- DNA, DNase, RNA, RNase and Pyrogen-free
- Compatible with the majority of thermal cyclers
- Available in low (0.1ml) and normal (0.2ml) volumes
- Low binding interiors reduces adhesion of proteins



## CAPP EXPELL PCR TUBES AND STRIPS

- Sold individually or as a strip
- Available in strips with or without a cap
- Tube sizes are 0.1 and 0.2 mL
- Optimal use in situations where a signal is obtained through the bottom of the tubes
- Fit perfectly in standard thermal cyclers
- Thin-walled to reduce the adhesion of proteins
- V-shaped bottom for 100% sample recovery
- Evaporation is less than 3%





DEEPWELL  
PLATES

**ritter**  
MEDICAL

## RITTER DEEPWELL PLATES

*For cleaning, mixing or centrifugation of samples.*

SUITABLE FOR:  
KINGFISHER™ 96  
FLEX MAGNETIC  
PARTICLE  
PROCESSOR



### RIPLATE MAGNETIC

- Specially designed for application in the Kingfisher™ 96 Flex Magnetic Particle Processor, Qiagen: Bio Sprint 96 and the Kingfisher™ Presto
- Riplate® magnetic is in line with the SBS standard (Society for Biomolecular Screening)
- High resistance towards commonly used solvents and alcohols
- High stability also during centrifugation
- Slightly raised rims reduce the risk of cross-contamination
- Newly developed cylindrical wells enable a good bioturbation of samples
- An alphanumeric code allows the registration and identification of individual samples even in confined spaces
- Made in class 8 cleanroom conditions



### RIPLATE

- Riplate® 96 plates, manufactured from highly transparent polystyrene, assure an optimal surface for microscopic analysis
- Ideal for fluorescence applications and automation-friendly
- Standardized dimensions (128 x 85 mm) ensure compatibility with most common laboratory machines
- Also, in Square wells are available

## SUPERIOR OPTICAL CLARITY

*Analytical Tubes for precision and clarity.*

ANALYTICAL  
TUBES



### HIRSCHMANN GLASS TUBES – 96-WELL FORMAT

- Resistant to aggressive solvents and sensitive samples
- The polypropylene body is lightweight, durable, and sterilizable
- 1.2 mL storage per well
- Fixed or removable inserts
- Plate material options: Polypropylene (PP) or aluminium
- Plate format/dimensions: 96 wells (8×12 layout), 124 × 81 mm

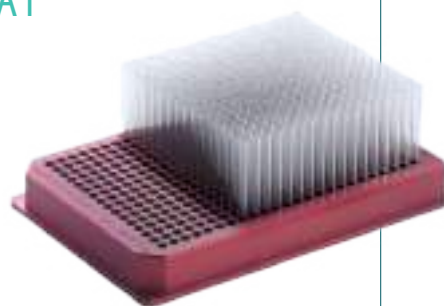


HIRSCHMANN®

MICRONIC

### HIRSCHMANN GLASS TUBES – 384-WELL FORMAT

- Ideal for aggressive solvents and sensitive compounds
- Resistant to solvents, acids, and sterilization
- 0.25 mL storage per well
- Plate material options: Polypropylene (PP) or aluminium
- Plate format/dimensions: 384 wells (16×24 layout), 124 × 81 mm



### HIRSCHMANN GLASS TUBES – 1536-WELL FORMAT

- Ultra-high density: 1536 wells maximize data generation in minimal space
- 0.050 mL per well for sensitive assays with minimal reagent use
- Plate format/dimensions: 1536 wells (32×48 layout), 124 × 81 mm



### MICRONIC X-CLEAR TUBES

- Superior optical clarity for precise sample observation and analysis
- Exceptional temperature resistance from –80°C to +210°C (up to 234°C intermittently)
- Ideal for both sample preparation and sample analysis
- Available volumes: 0.75 mL and 1.40 mL



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you discover



# sample management



brands

AFYSIG

MICRONIC  
INNOVATING AUTOMATION

scinomix  
INNOVATING AUTOMATION

## ENHANCE YOUR SAMPLE MANAGEMENT WITH THESE INNOVATIVE AUTOMATION TOOLS

In modern laboratories, precision, efficiency, and traceability are essential for reliable results. NBS Scientific provides solutions that streamline sample management, reducing manual work and improving workflow consistency.

Our Micronic Rack Filler LT500 automates loading of 96-well racks, handling thousands of tubes per day, supporting a wide range of tube sizes, and enabling sustainable use of reusable racks. Laser marking systems provide permanent, chemical- and temperature-resistant codes for clear, durable sample identification. Automated labeling systems print, sort, scan, and uncap tubes, as well as label plates quickly and accurately, minimizing errors and increasing throughput.

Together, these tools create a seamless, automated workflow that saves time, reduces waste, and ensures every sample is traceable and organized. With NBS Scientific, your team can focus on science while your samples are managed efficiently, safely, and reliably.

## AFYS<sub>3</sub>G DELTA<sub>10</sub>

*A small but powerful single tube scanner.*

### FEATURES AND BENEFITS

- Scans all codes in less than a second: 1D barcodes of racks and tubes, and single 2D Data-Matrix coded tubes
- Easy to use, no software installation required
- Has a keyboard wedge functionality, allowing you to transfer data more easily
- The extremely small size makes the device handy and convenient to use
- Compatible with 96, 48, and 24-well racks and tubes from a variety of brands



CODE READERS



AFYS<sub>3</sub>G

## AFYS<sub>3</sub>G DELTA<sub>50</sub>

*Fast, camera-based 2D tube rack reader for laboratories.*

### FEATURES AND BENEFITS

- Up to 96 tubes in 3 seconds
- Camera-based system: Faster and more accurate than traditional scanners
- Computer connectivity: Easy transfer via AFYS<sub>3</sub>G Decoding Software (XML, CSV, TXT output)
- Optional side barcode reader: Adds 1D barcode compatibility for racks
- Compact footprint: 170 × 150 × 194 mm, fits any lab bench
- Broad compatibility: Works with ANSI/SLAS racks from most common brands



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## MICRONIC FULL RACK CODE READERS

*For fast, accurate, and efficient sample identification.*



### Micronic DT520



### Micronic DR515



#### FEATURES



Scan time: <1 sec (rack & single tube)

Scan time: 5 seconds



Dimensions: 90 x 80 x 102 mm

Dimensions: 264 x 188 x 73 mm



CIS Imaging Technology

CIS Imaging Technology



Racks & Single tubes

96, 48, 24-format compatible



N/A

Passive Anti-frost system



Single tube reading

Single tube reading



1D included by default

Optional 1D barcode reader

## DID YOU KNOW...

Every Micronic scanner comes with free, user-friendly Micronic Code Reader Software that's reliable, easy to install, and compatible with LIMS Systems.





## Micronic DR710



## Micronic DR900



Scan time: 7 seconds

Scan time: 3 second

Dimensions: 310 x 230 x 91 mm

Dimensions: 170 x 145 x 194 mm

CIS Imaging Technology

Camera-based

96, 48, 24-format compatible

138, 96, 48, 24-format compatible

Active Anti-frost system

N/A

Single tube reading

N/A

Optional 1D barcode reader

Optional 1D barcode reader

## SIDE BARCODE READERS:

All our barcode readers are fully compatible with the scanners we offer. The Micronic Side Barcode Reader can be mounted on the DR515, DR710, or DR900 to read 1D rack barcodes in seconds. Its compact design and flexible mounting options make it easy to integrate, while the connection with Micronic Code Reader software ensures a smooth workflow that combines both 2D tube codes and 1D rack barcodes effortlessly.



AVAILABLE  
FOR ALL  
RACK  
READERS!

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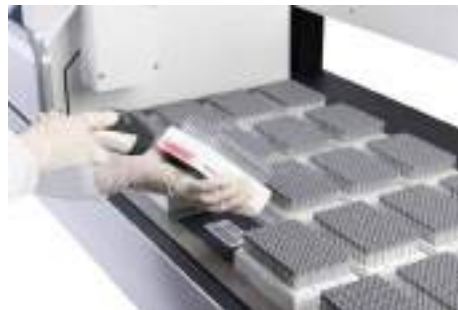


TUBE  
HANDLERS

MICRONIC

## MICRONIC TUBE HANDLERS

*Automatically sort and manage your valuable samples from multiple racks at once.*



### MICRONIC HT<sub>500</sub> TUBE HANDLER

- Automatically sorting tubes within 96-well format racks
- Cost-effective solution
- Semi-automatic linking between rack-ID and rack-position
- A separate safety stop ensures sample/product protection
- Compatible with standard ANSI/SLAS format racks
- Easy-to-operate and user-friendly interface
- Upload pick-lists via USB thumb drive
- Included a 1D barcode scanner to select the places of all the racks on the machine
- Large capacity of 20 racks
- Fast operation with 250 tubes per hour
- Works with tubes ranging from 0.30 ml to 1.40 ml
- Compatible with tubes from other brands
- Downloadable CSV file of rack content to upload to your management system

# MICRONIC TUBE HANDLERS

Automatically sort and manage your valuable samples from multiple racks at once.

TUBE HANDLERS



MICRONIC

## MICRONIC HT700 TUBE HANDLER

- Due to the unique 'cassette' design, the Tube Handler HT700 has a small footprint and a large capacity (24 source racks / 1-3 target racks)
- By making use of cassettes instead of a platform, there is a minimum distance between the sample to be taken and the target rack. This makes sorting faster (sorts 550 tubes per hour)
- The unique closed system guarantees the safety of the user.
- Unique integrated dual (1D rack barcode and 2D tube code) check
- Compatible with 0.50ml, 0.75ml, 1.10ml, and 1.40ml racked tubes (capped or uncapped)
- 1D barcode reading available for source and destination racks
- Automatic rack position detection
- Worklists can be uploaded via a USB stick
- Operating requirements: 115V
- Dimensions: 560 x 864 x 889 mm



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RACK  
FILLERS

MICRONIC

## MICRONIC RACK FILLER LT500

*Fully automated rack filling instrument*



### FEATURES AND BENEFITS

- Fills 8 racks in just 20 minutes (24 racks/hour)
- Drum holds over 2,000 tubes for continuous operation
- Works with various tube brands
- Enables rack reuse and bulk tube purchase
- Touch screen control for simple setup and tube/rack selection
- Reliable performance in demanding lab environments
- Setup takes less than two minutes, ensuring continuous productivity
- Significantly decreases plastic waste by cutting reliance on disposable pre-filled racks
- Dimensions: 610 × 688 × 706 mm (24.02 × 27.09 × 27.80 in)
- Weight: 60 kg (132 lbs)

## LAMBDA768 LASER MARKER

*High-throughput, durable, and sustainable tube marking.*

### FEATURES AND BENEFITS

- High throughput: Processes up to 500 tubes per hour
- Marks up to 8 racks per cycle (ANSI/SLAS)
- Customizable logos, text, barcodes, IDs, and symbols
- Resistant to chemicals, abrasion, and temperatures from  $-196^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$
- The side panel can be removed for robotic arm integration
- Built-in processing unit with internal computer



LASER MARKERS



AFYSIG

scinomix

## SCINOMIX SMARTSCRIBE

*Durable, precise, and label-free tube identification.*

### FEATURES AND BENEFITS

- Permanently engraves tubes without consumables
- Durable markings resistant to smearing, fading, chemicals, and extreme storage conditions
- Supports etchable tubes ranging from 0.5 mL to 8 mL
- Marks text, 1D/2D barcodes, or other identification patterns
- Processes up to 250 tubes per hour
- Integratable with barcode scanners and the Scinomix VXi



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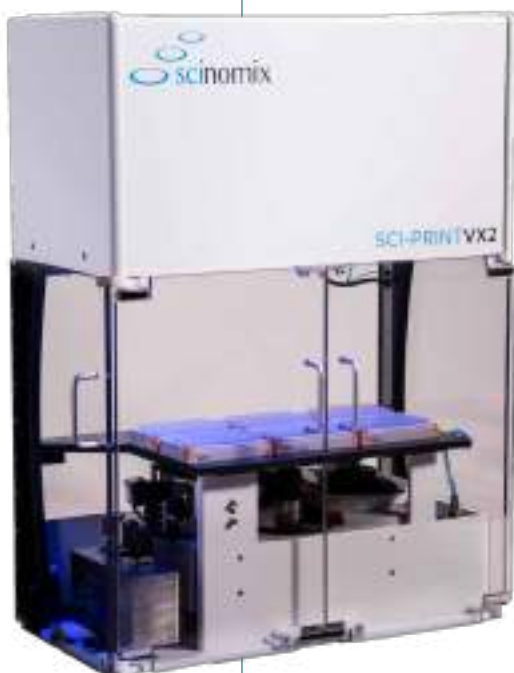


TUBE LABELERS



## SCINOMIX SCI-PRINT VX<sub>2</sub> TUBE LABELER

*Automated tube labeling system with configurable solutions.*



### FEATURES AND BENEFITS

- Fully automatic tube labeler for printing labels and applying them to the tubes.
- Throughput of 400 tubes/hour with a 6-position work deck (holds up to 600 tubes)
- Compatible with tubes from 0.5 ml to 50 ml
- Can be configured to sort racked tubes, pick individual tubes, open/close caps, fill tubes and/or scan barcodes
- Is compatible with a wide range of racks and tubes from different manufacturers
- Eliminates human error and prevents hand injuries that may occur with manual labeling

## SCINOMIX SCI-PRINT VXL TUBE LABELER

*Modular tube labeler that can label up to 425 tubes per hour.*



### FEATURES AND BENEFITS

- Fully automatic tube labeler for printing labels and applying them to the tubes
- Throughput of 425 tubes/h with a 12-position work deck (holds up to 1,200 tubes)
- Compatible with tubes ranging from 0.5 ml to 50 ml
- Can be configured to sort racked tubes, pick individual tubes, open/close caps, fill tubes and/or scan barcodes
- Is compatible with a wide range of racks and tubes from different manufacturers
- Saves valuable time to focus on other important tasks in the lab
- Precise label placement on each tube

## SCINOMIX VXQ BULK FEEDER

*Designed to feed tubes to the VX series for labeling, filling and/or racking.*

### FEATURES AND BENEFITS

- Integrates with Scinomix VX labeling systems for high-volume tube processing
- Compatible with a range of tubes from 0.5 ml to 15 ml (the top of the tube must be wider than the tube body)
- Has a high throughput of up to 400 tubes per hour
- Easily create, save and change multiple tube definitions with a single keystroke
- This means you no longer need to buy pre-racked tubes, saving you processing costs

BULK FEEDERS



scinomix



## SCINOMIX VXI BULK FEEDER

*Automatic feeding of tubes into an automatic labeler for efficient labeling.*

### FEATURES AND BENEFITS

- Integrates with Scinomix VX labeling systems for high-volume tube processing
- Camera-based optical technology to detect tube orientation to support feeding for labeling and deposition
- Replace manual loading of racks with tubes
- Has a high throughput of up to 400 tubes per hour
- Adapts to a wide range of tube types and sizes, processing tube diameters from 8 to 28 mm. The unit also processes tubes with internal and external threads and tubes with and without lids



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PLATE  
LABELERS



## SCINOMIX SCI-PRINT MP<sub>2</sub> PLATE LABELER

*Semi-automatic barcode label printer for microliter plates.*



### FEATURES AND BENEFITS

- Prints and applies labels to a wide range of microplates
- Can be used in a manual, stand-alone environment
- Can be integrated into fully automated systems
- Compact size for use on the work surface
- Features a rotating, height-adjustable platform
- Offers the flexibility to print on all sides and two vertical planes of the plate and deep-well blocks
- Versatile software included

## SCINOMIX SCI-PRINT MP<sub>2</sub>+

*The ultimate micro-plate labeling system.*



- Fully automated microplate labeling system
- Prints and applies labels on all sides of the rack
- A single stacker can hold up to 48 half-height and non-lidded microplates or 13 deep well blocks
- Can label 440 racks an hour
- Compatible with a wide variety of microplates and deep well blocks
- The Scinomix Sci-Print MP2+ comes with a de-lidder
- The Scinomix system offers even more walk-away time
- A small and compact device that saves valuable space in the lab
- Has two stackers for valuable walk-away time
- Can be upgraded with 2 additional stackers

## SCINOMIX SCI-PUMP PERISTALTIC PUMP

*Compact peristaltic pump for continuous flow applications.*

BENCHTOP  
EQUIPMENT



### FEATURES AND BENEFITS

- Compact benchtop peristaltic pump
- Optional accessory for Sci-Print VX2 or Sci-Print VXL
- Excellent for dispensing volumes of 50  $\mu$ L or more
- Best suited for dispensing a reagent solution into multiple tubes
- Most commonly used for aqueous solutions
- Provides highly reproducible flow rates with minimal variation
- Can be used for bulk filling or filling of reagents
- Eight-roller unit features tubing and nylon pins for a long life of all fluid contact surfaces

scinomix



## SCINOMIX SCI-PRINT SOLO TUBE LABELER

*Semi-automatic tube labeling system.*

### FEATURES AND BENEFITS

- Prints and applies labels to a wide range of tubes  
Compatible with tubes from 0.5 ml to 50 ml (8 mm to 29 mm in diameter)
- Can be used in a manual, stand-alone environment
- Can be integrated into fully automated systems
- Compact size for use on the work surface
- Eliminates human errors that can occur when labeling by hand
- Increases productivity and efficiency in the lab
- Versatile software included





CAPPERS

## SCINOMIX RAPIDCAP<sub>2</sub>

*High throughput capping and decapping for your lab.*

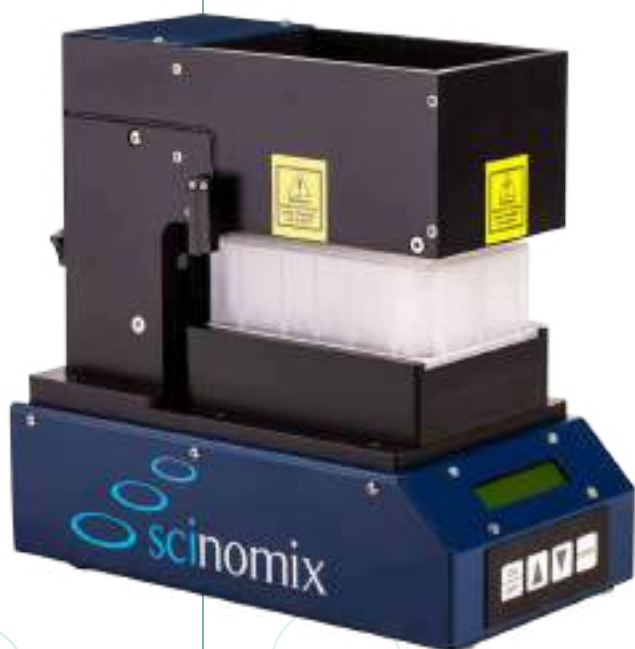


### FEATURES AND BENEFITS

- Designed for capping and decapping cryotubes between 0.5 and 2.0 ml in only approx. 4 seconds per tube
- Factory-configured system that is ready to use and can be adapted to the user's needs
- Small benchtop unit that frees up valuable lab space
- Closure colour sensor/recognition allows for additional quality control
- Integrates with third-party automation
- Easy-to-use software

## SCINOMIX BB DROPPER

*For bead beating (BB) and homogenization processes in agricultural laboratories.*



### FEATURES AND BENEFITS

- Designed for dispensing metal beads into a variety of microliter plates, deep well blocks, and tube racks.
- The microprocessor program provides automatic operator guidance, instrument control, and error checking
- User-replaceable cartridges allow for different BB sizes
- Hopper capacity ranges from 3,800 to 20,000 BBs, depending on BB size
- Backlit LCD display for user guidance and error indication
- The working height of the dispenser mechanism is adjustable to accommodate different plate/block heights (up to 80 mm)

## SCINOMIX PIN REPLICATORS

*Transferring smaller volumes, disposable, and automation-friendly.*

ACCESSOIRES



### FEATURES AND BENEFITS

- Eliminate the threat of cross-contamination
- Available in 384 and 96 formats
- Integrated with a gripper-friendly design, and is easy to place
- Saves valuable research time
- Made from Polypropylene (PP) and is easily disposable



scinomix

## SCINOMIX PLATE LABELS

*Strong labels for your sample storage racks and plates.*

### FEATURES AND BENEFITS

- Designed to last
- Available in different sizes, shapes, colors, and configurations
- Strong adhesive
- Resistant to wear and tear during cryogenic treatment of the sample tubes
- Can withstand temperatures as low as -196°C and as high as + 100°C
- Very well protected against chemicals



## SCINOMIX UNIVERSAL GRIPPER

*A tube gripper upgrade to the Sci-Print labelers.*

### FEATURES AND BENEFITS

- Upgrade your already purchased VX2 and VXL
- Universal gripper allows the user to switch between tube types
- Integrated with a gripper-friendly design, and is easy to place
- Replaces the original gripper, works with a wider variety of storage tubes and cryovials
- Saves time by not having to change the gripper each session



we deliver  
you discover



# sample storage



brands

[AFYS]3G

AHN  
Produktions-  
Service

CRYSTAL

MICRONIC  
SBS-Format für Ihre Labors

scinomix  
INNOVATING AUTOMATION

## THE ULTIMATE LABWARE AND MACHINERY TO STORE YOUR VALUABLE SAMPLES

At NBS Scientific, we provide a comprehensive range of solutions designed to make sample storage and handling more efficient, accurate, and fully traceable. Our portfolio includes high-quality Micronic 2D-coded and hybrid-coded tubes in multiple volumes, with both internal and external thread options to support various research workflows. To ensure secure and reliable sample preservation, we also offer a broad selection of compatible screw caps, push caps, and sealing options for both short-term processing and long-term storage.

All tubes pair seamlessly with Micronic's durable SBS-format racks, engineered for consistent positioning, reliable barcode readability, and smooth integration with automated systems. Together, these components provide laboratories with a complete and dependable framework for organizing, tracking, and protecting valuable samples.

Manufactured in clean-room environments and certified DNase/RNase- and pyrogen-free, our products help maintain maximum sample integrity. Whether your lab manages high-throughput processes or routine daily tasks, NBS Scientific offers scalable, reliable tools that streamline workflows, reduce errors, and enhance overall consistency in sample management.

# MICRONIC SAMPLE STORAGE TUBES

Store your valuable samples and aliquots for longer periods.

TUBES



## SUPERIOR MICRONIC TUBE FEATURES

- Manufactured and assembled in a certified Class 7 clean room environment
- Upon request, products can be supplied gamma-irradiated or ethylene oxide-treated
- No measurable amount of extractable from the material leached into the samples
- Endotoxin level of labware is limited to an acceptable minimum (<0.01 EU/ml)
- Complies with highest injection molding standards and is free from RNase and DNase contamination
- Materials and auxiliary agents used to manufacture labware are FDA-compliant and selected based on the highest purity levels

### INTERNAL THREAD

- Has a thread on the inside of the tube, for the tightest seal possible during ultra-low temperature storage
- Supplied with or without a 2D code on the bottom, which has a black code surface that can't be separated from the tube due to a unique injection molding technique
- Offers different cap types for secure and sustainable storage

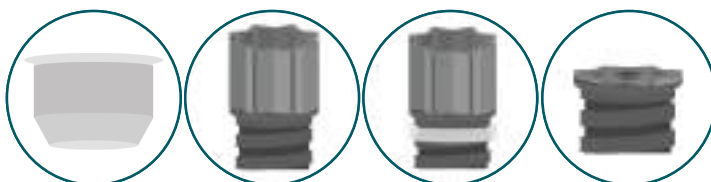


### EXTERNAL THREAD

- Has a thread on the outside of the tube, maximizing the working volume of the tube
- Supplied with or without a 2D code on the bottom, which has a black code surface that can't be separated from the tube due to a unique injection molding technique
- Has a Hybrid version with multiple white codeable fields on the tube



### CAPS FOR INTERNAL THREAD TUBES



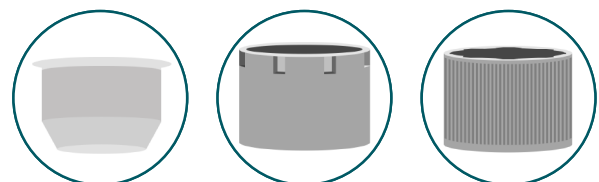
Push Caps; special push caps for storage until -80°C

Screw Caps; the regular screw caps for long-term storage

Screw Caps Ultra; caps with an optimal seal for automation

Screw Caps Low Profile; lower caps to save extra storage in the freezers

### CAPS FOR EXTERNAL THREAD TUBES

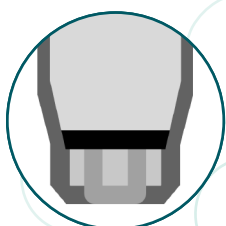


Push Caps; special push caps for storage until -80°C

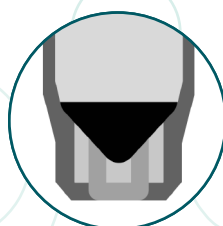
Screw Caps; the regular screw caps for long-term storage

Screw Caps IG; screw caps with improved grip for automated systems

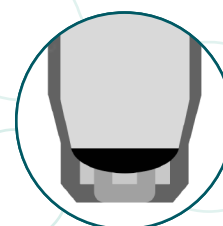
### SAMPLE TUBE BOTTOM TYPES



Inner Flat-bottom for the ultimate storage of tissue or other solid material.



Inner V-bottom for maximum sample recovery and lowest dead volume.



Inner U-bottom for maximum working volume.



EXTERNAL  
THREAD TUBES

# MICRONIC EXTERNAL THREAD TUBE CHART

Overview and specifications.



	<b>0.30 ml</b>	<b>0.40 ml</b>	<b>0.75 ml</b>	<b>0.80 ml</b>	<b>1.00 ml</b>	<b>1.10 ml</b>	<b>1.40 ml</b>	<b>2.00 ml</b>	<b>3.50 ml</b>	<b>4.00 ml</b>
<b>Storage Rack</b>	Micronic 96-1	Micronic 96-1	Micronic 96-2 + Micronic 138-2	Micronic 96-3 + Micronic 138-2	Micronic 48-1	Micronic 96-3	Micronic 96-4	Micronic 96-5	Micronic 24-2	Micronic 48-4
<b>Inner Tube Shape</b>	V- or Vr-bottom	V-bottom	V-bottom	V-bottom	Flat Bottom	V-bottom	V-Bottom	V-bottom	Flat Bottom	Flat Bottom
<b>Working Volume with Screw Cap</b>	0.30 ml or 0.22 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
<b>2D Coded Non-Coded</b>	Yes No	Yes No	Yes Yes	Yes No	Yes No	Yes No	Yes Yes	Yes No	Yes No	Yes No
<b>Outer Diameter Tube Height With Screw Cap</b>	8.8 mm 16.4 mm 19.9 mm	8.8 mm 21.8 mm 25.3 mm	9.0 mm 30.0 mm 33.5 mm	8.8 mm 34.8 mm 38.3 mm	13.0 mm 16.0 mm 19.7 mm	9.0 mm 41 mm 44.6 mm	9.0 mm 48.0 mm 51.5 mm	9.0 mm 63.0 mm 66.5 mm	16.3 mm 30.0 mm 33.5 mm	13.0 mm 48.0 mm 51.5 mm
<b>Twist-lock Snap Tube Minimum Storage Temp.</b>	Yes No Vapor Phase LN2	Yes No Vapor Phase LN2	Yes No Vapor Phase LN2	Yes No Vapor Phase LN2	Yes No Vapor Phase LN2	Yes No Vapor Phase LN2	Yes No Vapor Phase LN2	Yes No -80°C*	Yes No Vapor Phase LN2	Yes No Vapor Phase LN2

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

## DID YOU KNOW...

We also offer a Micronic single tube picker/selector that helps you pick a tube from an entire filled rack. This nifty tool can help you manually select a tube without having to tip over the rack or lift it. You also only require one hand to pick the tube.



# MICRONIC HYBRID TUBE CHART

Externally threaded tubes with 4 coding concepts.

HYBRID TUBES



MICRONIC



<b>Storage Rack</b>	Micronic 96-2 + Micronic 138-2	Micronic 96-4	Micronic 24-1	Micronic 48-2	Micronic 48-3	Micronic 24-1	Micronic 24-4
<b>Inner Tube Shape</b>	U-bottom	U-bottom	Flat bottom	Flat bottom	Flat bottom	Flat bottom	Flat bottom
<b>Working Volume (+21°C)</b>	0.62 ml	1.20 ml	1.45 ml	1.95 ml	2.90 ml	2.45 ml	6.00 ml
<b>2D coded</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>1D barcoded</b>	Yes	Yes	No	Yes	Yes	No	Yes
<b>Human readable</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Blank tube walls</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Capping Options</b>	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap
<b>Outer Diameter</b>	8.8 mm	8.8 mm	16.3 mm	13.0 mm	13.0 mm	16.3 mm	16.3 mm
<b>Tube Height</b>	30.0 mm	48.0 mm	16.0 mm	30.0 mm	41.0 mm	23.0 mm	48.0 mm
<b>Tube Height with SC</b>	33.5 mm	51.5 mm	19.5 mm	33.5 mm	44.5 mm	26.5 mm	51.5 mm
<b>Height tube in rack</b>	30.8 mm	48.8 mm	17.0 mm	30.8 mm	42.0 mm	24.0 mm	48.8 mm
<b>Precapped</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Twist-lock</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Min. Storage Temp.</b>	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2
<b>Availability</b>	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack

## FEATURES AND BENEFITS OF HYBRID TUBES

- Includes 2D Data-Matrix code, 1D barcode, human-readable code, and blank space for own ID
- 1D & 2D barcodes laser-etched onto the tube
- White code surfaces permanently on the tube due to a unique injection molding technique
- Triple-start thread ensures optimal seal quality for long-term storage



AVAILABLE IN SMALL PACKS!



SCREW CAPS



## MICRONIC SCREW CAPS FOR TUBES WITH EXTERNAL THREAD

*Secure seal for ultra-low temperature storage.*



### FEATURES AND BENEFITS

- Triple-start thread for optimal sealing
- Available in 12 different colors
- Ideal for storage in ultra-low temperatures
- Unique lock when sealed prevents overturning of cap
- Eliminates the possibility of the sample coming into contact with the screw thread
- Minimizes the chance of cross-contamination while improving sample integrity
- Cap optimized for automated equipment
- Sturdy design and made of high-grade Polyethylene
- Comes in 96-well, 48-well, and 24-well sizes

## MICRONIC SCREW CAPS IG

*Improved grip caps for automated systems.*

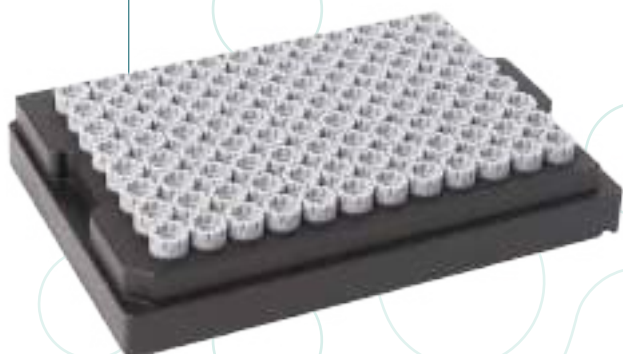


### FEATURES AND BENEFITS

- Screw caps that are optimized for use in automation
- Has a cap height of only 5.8mm, so smaller than regular external screw caps
- Has an improved pattern on the sides for an extra strong grip
- Newly designed lead-in on top of the Screw Cap ensures a better tube placement
- Comes in 96-well size

## MICRONIC CAP CARRIER

*Automation-friendly cap carrier resistant to any chemical solvents.*



### FEATURES AND BENEFITS

- Meant for storing caps in different sizes
- Available for caps in 24-, 48-, and 96-well format
- Ideal for automated capping tools like the Micronic CS700
- Can be ordered as a prefilled carrier with any cap type and colour of your choice
- Available in a higher position for automated workstations

# MICRONIC INTERNAL THREAD TUBE CHART

Overview and specifications.

INTERNAL  
THREAD TUBES



MICRONIC

							
	0.50 ml	0.75 ml	1.10 ml	1.40 ml	2.00 ml	4.00 ml	6.00 ml
<b>Storage Rack</b>	Micronic 96-1 Micronic 96-Q1	Micronic 96-2 Micronic 138-2	Micronic 96-3	Comorack-96 Micronic 96-4	Micronic 96-5	Micronic 48-4	Micronic 24-4
<b>Inner Tube Shape</b>	V-bottom	V- or U-bottom	V-bottom	V- or U-bottom	U-bottom	Flat bottom	Flat bottom
<b>Working Volume with Push Cap (PC)</b>	0.30 ml	0.58 ml	0.90 ml	1.15 or 1.20 ml	1.58 ml	N/A	N/A
<b>Working Volume with Screw Cap (SC)</b>	0.21 ml	0.48 ml	0.80 ml	1.04 or 1.10 ml	1.49 ml	2.70 ml	4.80 ml
<b>2D coded</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Alphanumeric</b>	Yes	Yes	No	Yes	Yes	Yes	No
<b>Non-coded</b>	Yes	Yes	Yes	Yes	No	Yes	Yes
<b>Capping Options</b>	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap Push Cap	Screw Cap	Screw Cap
<b>Outer Diameter</b>	9.0 mm	9.0 mm	9.0 mm	9.0 mm	9.0 mm	13.0 mm	16.3 mm
<b>Tube Height</b>	18.5 mm	26.0 mm	36.5 mm	44.0 mm	59.0 mm	44.0 mm	43.35 mm
<b>Tube Height with PC</b>	19.5 mm	27.0 mm	37.5 mm	45.0 mm	60.0 mm	N/A	N/A
<b>Tube Height with SC</b>	26.0 mm	33.5 mm	44.0 mm	51.5 mm	66.5 mm	51.0 mm	51.4 mm
<b>Twist-lock</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Snap Tube Option</b>	Yes	Yes	Yes	Yes	No	No	No
<b>Minimum Storage Temperature</b>	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	-80°C*	Vapor Phase LN2	Vapor Phase LN2

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

## TUBESTRIP-8



## AMBER TUBES



## SNAP TUBES



TUBES  
FOR EVERY  
APPLICATION!



SCREW CAPS



## MICRONIC SCREW CAPS FOR TUBES WITH INTERNAL THREAD

*Secure seal for ultra-low temperature storage.*

### FEATURES AND BENEFITS

- High-quality Silicon O-ring ensures optimal sealing
- Available in 12 different colors
- Ideal for storage at ultra-low temperatures
- Automation friendly
- Compatible with 96-, 48-, or 24- format Micronic tubes



## MICRONIC SCREW CAPS LOW-PROFILE

*Safe on valuable freezer space and electricity costs.*


### FEATURES AND BENEFITS

- High-quality O-ring ensures optimal sealing
- Saves up to 33% of freezer space
- Available in 11 different colors
- Compatible with 96-format tubes
- Automation friendly



## MICRONIC PUSH CAPS

*Caps that tightly seal tubes for long-term sample integrity.*

PUSH CAPS 



### TPE CAPCLUSTERS

- Capclusters cap 96 tubes at once before the plastic backing is removed to keep tubes separated for future use
- Compatible with 96-format internally and externally threaded tubes
- Available in natural and 12 different colors
- Store samples in temperatures as low as -80°C



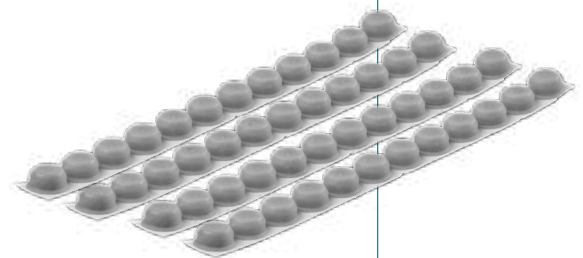
### TPE CAPMATS

- Capmats cap 96 tubes at once and are arranged on a non-removable backing to keep tubes together once capped
- Compatible with 96-format internally threaded tubes
- Available in natural and 7 different colors
- Store samples in temperatures as low as -80°C



### TPE CAPBANDS

- Cap strips of 8 or 12 tubes in a single row or column
- Arranged on a non-removable back to keep tubes together once capped
- Available in natural and 9 different colors
- Use for samples stored in temperatures as low as -40°C



### TPE LYO CAPS



*Specially developed for the lyophilization process.*

### EVA PUSH CAPS



*Economical way to seal sample storage tubes.*

### TPE AUTO DECAPPER



*Removes 96 push caps in 8 seconds.*



STORAGE RACKS



## MICRONIC STORAGE RACKS

An efficient way to store and protect your valuable samples.

IDEAL PROPERTIES FOR ULTRA LOW TEMPERATURE STORAGE

138-well HD rack



96-well ULT rack



48-well ULT rack



24-well ULT rack



<b>Tube Compatibility</b>	Compatible with tubes from 0.75 ml to 0.80 ml in size	Compatible with tubes from 0.30 ml to 2.00 ml in size	Compatible with tubes from 1.00 ml to 4.00 ml in size	Compatible with tubes from 1.50 ml to 6.00 ml in size
<b>Rack Format</b>	6 rows of 13 tubes & 5 Rows of 12 tubes (138 tubes total)	12 rows of 8 tubes (96 tubes total)	8 rows of 6 tubes (48 tubes total)	6 rows of 4 tubes (24 tubes total)
<b>Material</b>	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
<b>Dimensions</b>	127,8 mm x 85,5 mm	127,8 mm x 85,5 mm	127,8 mm x 85,5 mm	127,8 mm x 85,5 mm
<b>Resistant to Chemical Solvents</b>	Yes	Yes	Yes	Yes
<b>Minimum Storage Temperature</b>	Vapor Phase LN2 to +100°C	Vapor Phase LN2 to +140°C	Vapor Phase LN2 to +140°C	Vapor Phase LN2 to +140°C



## MICRONIC SPECIAL RACKS

Designed with distinct features.

DM Rack (Bottom ID coded rack)



Eco-Friendly Rack



Eco-Friendly Refill Rack



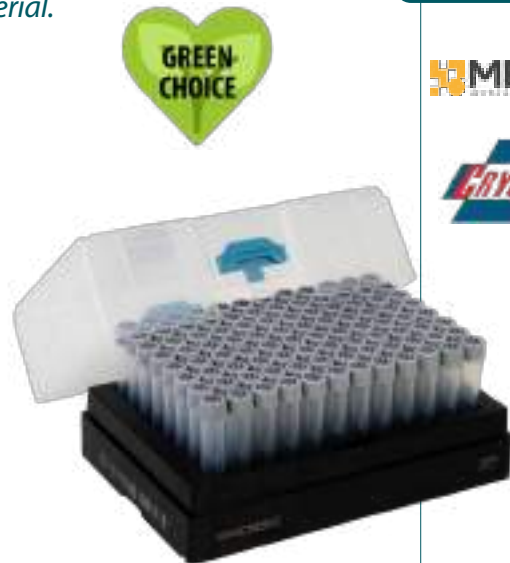
<b>Specialty</b>	With additional bottom-ID for faster and more accurate traceability	Sustainable rack made of 99% recycled PP, eco-friendly and fully recyclable	Sustainable, reusable refill rack system made of 99% in-house renewed PP
<b>Tube Compatibility</b>	Compatible with tubes from 0.30 ml to 1.40 ml in size	Holds 96 tubes in sizes 0.50 mL, 0.75 mL, 1.10 mL, and 1.40 mL	Holds 96 tubes in 1.40 mL
<b>Rack Format</b>	96-well format	96-well ANSI/SLAS standard footprint	96-well ANSI/SLAS standard footprint
<b>Material</b>	Polycarbonate	Rack: Recycled PP Cover: High-purity PP	Refill: Renewed PP Base Rack & Cover: High-purity PP
<b>Dimensions</b>	127,8 mm x 85,5 mm	127,7 mm x 85,5 mm	127,8 mm x 85,5 mm
<b>Resistant to Chemical Solvents</b>	Yes	Yes	Yes
<b>Minimum Storage Temperature</b>	Vapor Phase LN2 to +140°C	Vapor phase LN2 (approx. -196°C)	Approx. -80°C

## MICRONIC ECO-FRIENDLY RACK

*Sustainable sample storage racks made from 99% recycled material.*

### FEATURES AND BENEFITS

- Made from 99% recycled polypropylene (PP)
- Easier to recycle after use
- Holds 96 tubes (0.50 mL - 1.40 mL, internal & external thread)
- Compatible with leading sample storage automation systems
- ANSI/SLAS-compliant footprint ensures seamless integration
- Each rack includes a 1D barcode with a human-readable code
- Produced in Class 7 cleanroom conditions
- RNase/DNase free
- Withstands temperatures from vapor-phase LN<sub>2</sub> to +100°C



SPECIAL RACKS



MICRONIC

CRYSTAL

## MICRONIC ECO-FRIENDLY REFILL RACK

*Reusable refill racks for sustainable and cost-effective sample storage.*

### FEATURES AND BENEFITS

- Made from 99% in-house renewed polypropylene (PP)
- Durable base rack and cover can be reused; only tube refills need replacing
- ACT label certified with an Environmental Impact Factor (EIF) score of 23.9
- Cost savings: Up to 47% lower costs compared to traditional racks
- ANSI/SLAS-compliant footprint ensures compatibility with automated systems
- Features laser-etched alphanumeric coding, a 1D barcode, and human-readable code
- Withstands vapor-phase storage at -80°C up to +100°C

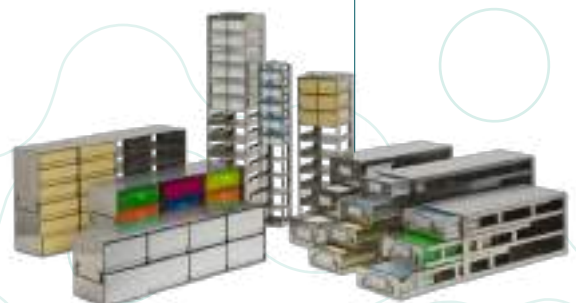


## CRYSTAL FREEZER RACKS

*Robust, modular storage solutions for cryogenic and laboratory applications.*

### FEATURES AND BENEFITS

- Crafted from pharmaceutical-grade stainless steel
- Available in various sizes
- Optional locking mechanisms are available to secure racks
- Variety of configurations allows for customizable storage solutions





STARTER  
PACKS



## MICRONIC STARTER PACKS

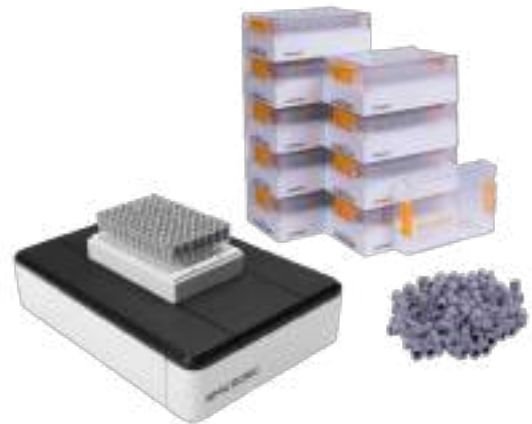
*Try, test, and optimize your sample management.*

Micronic's starter packs are designed with you in mind. Whether you are a new lab searching for the perfect tubes and equipment or an advanced scientist looking for new ways to expedite your research, a starter pack will give you the opportunity to test new products without breaking your budget or interrupting your current workflow. All starter packs come with 2D tubes, caps, scanners, and manual or electric (de)cappers.



### STARTER PACK BASIC

Includes 10 racks of tubes, caps, the DT520 Tube Reader, and manual decapping tools



### STARTER PACK STANDARD

Includes 10 racks of tubes, caps, and the DR515 code reader



### STARTER PACK PREMIUM

Includes 40 racks of tubes, caps, the DR515 code reader, screw cap or manual capper, and manual decapping tools



### STARTER PACK PREMIUM+

Includes 40 racks of tubes, caps, the DR710 code reader, screw cap or electric capper, and manual decapping tools

REQUEST YOUR FREE SAMPLE NOW

CONTACT US AT: [INFO@NBSSCIENTIFIC](mailto:INFO@NBSSCIENTIFIC)



 **MICRONIC**  
CONSTRUCTION OF SCIENTIFIC EQUIPMENT





CRYO  
TUBES

AHN  
Bioscience  
Labs

## CAPP EXPELL CRYOTUBES

With the patented QuickSeal™ and Lip Seal closures, your samples are safely stored.



### FEATURES AND BENEFITS

- External threaded tube that allows one-handed opening and closing
- Also suitable for square cryoboxes (9x9 and 10x10)
- Suitable for storage in the gas phase LN2
- Available in five sizes: 0.50ml, 1.00ml, 2.00ml, 4.00ml and 5.00ml
- Star-shaped base design, for safe handling and best stability when standing upright
- Max. Level indicator for sample storage at LN2

## CAPP EXPELL CAP INSERTS

By inserting different coloured plates into the caps, you get a quick overview of your samples.



### FEATURES AND BENEFITS

- Visual aid to quickly identify and keep your samples separate
- Easy and quick to install
- Are freezer-stable
- Available in red, blue, purple, yellow, white and green
- Packed in bags of 500 plates each

## CAPP EXPELL CROBOXES

Save up to 23% storage space with the EXPell Cryoboxes



### FEATURES AND BENEFITS

- Save up to 23% storage space when used with Expell cryotubes
- High durability for long-term cryogenic storage at -90°C
- Autoclavable polypropylene ensuring reusability and sterility (+121°C for 20 minutes)
- Divider configuration: 10x10 grid (supports space-efficient storage)

## SCINOMIX CAPS

*Standard caps with O-ring by Scinomix.*

### FEATURES AND BENEFITS

- Compatible with 0.5ml, 1.5ml and 2.0ml screw cap microtubes
- Available in 16 different colours
- Easy ¾ turn to open and close
- Synthetic O-ring



CRYO  
TUBES



scinomix

## SCINOMIX TUBES

*High-quality tubes designed to meet the needs of modern laboratories.*

### FEATURES AND BENEFITS

- The tubes are made from high-clarity, ultra-pure polypropylene
- Certified free of detectable DNase, RNase, DNA, PCR inhibitors and endotoxin
- Various formats and variants of tubes available: microtubes, centrifuge tubes and cryo tubes
- Microtube variants available in 0.5ml, 1.5ml, and 2.0ml sizes
- Microtube variants temperature range from -196° C to +121° C
- Cryotube variants available in 1.0ml, 1.8ml and 4.5ml sizes



we deliver  
you discover



MANUAL  
(DE)CAPPERS

MICRONIC

## MICRONIC PUSH CAP CAPPER CP400

*A manual, user-friendly way to cap 96 push cap tubes in one action.*



### FEATURES AND BENEFITS

- Caps 96 push cap tubes with one action
- Compact and robust manual device
- Seals full & partially full racks with the complete range of Micronic TPE and EVA-style caps
- Caps tubes up to 1.4ml in all ANSI/SLAS format racks up to 48mm in height
- Compatible with tubes, racks, deepwell plates, and caps from other brands
- Custom adaptors made to accommodate specific tube/deepwell plate heights
- Receive one free adaptor upon purchase

## MANUAL DECAPPING TOOLS

*A manual, user-friendly way to decap one or more push cap tubes.*



### MANUAL DECAPPER-1

Removes a single TPE push cap.



### MANUAL DECAPPER-8

Removes 8 push caps at once.  
Also available in aluminium for frozen tubes.



### SCREW CAP RECAPPER CS100

Caps and decaps individual screw cap tubes.

## MICRONIC AUTOMATIC PUSH CAP (DE)CAPPERS

User-friendly, automatic (de)capping equipment for push cap tubes.

AUTOMATIC  
(DE)CAPPERS

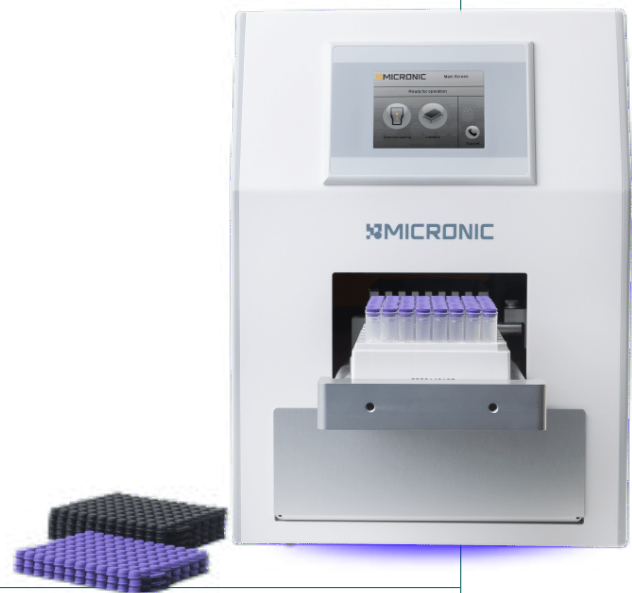


MICRONIC

### MICRONIC PUSH CAP DECAPPER CP620

Decaps an entire rack of push cap tubes in 8 seconds.

- Simple and safe operation with CE approval and conforms to UL
- User-friendly interface for easy selection of tube size and no adapters required
- Operates stand-alone or in a fully automated environment and minimizes cross-contamination
- Compatible with the range of Micronic 96-format tubes (up to 1.40ml) and other brands of tubes and caps with internal thread



### MICRONIC PUSH CAP CAPPER CP600

Caps an entire rack of push cap tubes in 7 seconds.

- Works on full and partially full racks of tubes
- Caps an entire rack of 96 tubes in an average of 7 seconds (depending on tube height)
- Built with a controlled pressure system for an even capping result
- CP600 works with tube sizes up to 1.40ml (48mm) & CP610 works with tube sizes up to 2.50ml (86mm)
- Compatible with the complete range of Micronic 96-format internal thread tubes



we deliver  
you discover



AUTOMATIC  
(DE)CAPPERS

## AFYS<sub>3</sub>G AUTOMATIC SCREW CAP CAPPER

User-friendly, automatic (re)capping equipment for screw cap tubes.

AFYS<sub>3</sub>G



### SIGMA RECAPPER BY AFYS<sub>3</sub>G

*A screw cap recapper for every laboratory environment*

- (De)cap screw capped tubes within less than 30 seconds
- Serves 96-well racks, 48-well racks, and 24-well racks
- Optimized for integration into a fully automated laboratory environment
- Compatible with ANSI/SLAS standard racks
- An easy-to-use interface allows users to select the type of labware they want to use



### SIGMA STR TUBE CAPPER BY AFYS<sub>3</sub>G

*Automated single tube capper for every benchtop*

- A short capping cycle of a single tube in just 7 seconds
- Compatible with tubes of most common brands
- Can store up to 500 caps
- Equipped with a color touchscreen
- Ensures a tight seal with a precise tightening torque
- Reduces the strain on the hands of manual capping

## DID YOU KNOW...

The AFYS<sub>3</sub>G Sigma STR is capable of counting the number of tubes that have been capped, allowing you to keep track of your process.



## MICRONIC SCREW CAP RECAPPER CS500

*A handheld, automatic device that caps, decaps, or recaps an entire row of tubes in 5 seconds*

AUTOMATIC  
(DE)CAPPERS



### FEATURES AND BENEFITS

- Large ejection handle discards caps easily
- Flexible design simplifies (de) capping process
- Models available for 96-, 48-, and 24-format screw cap tubes
- Ergonomic solution for left and right-handed users
- Small footprint
- No battery charging required
- Compatible with Micronic standard and low-profile screw caps, as well as caps from other brands
- Minimizes contamination
- Screw caps tightened securely and uniformly
- Precise torque value for optimal sealing quality



MICRONIC

## MICRONIC DOCKING STATION

*The Semi-automated addon to the CS500 capping series*

### FEATURES AND BENEFITS

- Turns any capper of the CS500 into a semi-automated system
- Works with 96-well, 48-well, and 24-well format sample storage tubes
- Can cap, decap, or recap a row of tubes in less than 5 seconds and a whole rack in only 1 minute
- Compact and can be placed on any desktop
- Caps tubes efficiently
- Each screw cap is reproducibly tightened securely and uniformly
- Minimizes cross-contamination



## MICRONIC SCREW CAP RECAPPER CS700

*An automatic device that caps, decaps, or recaps an entire rack of tubes in less than 30 seconds.*

### FEATURES AND BENEFITS

- User-friendly touch screen
- An ethernet connection allows for various protocols
- Models for 96-, 48-, and 24-format screw cap tubes
- Precise torque value for optimal sealing quality
- Quiet operation
- Compatible with Micronic tubes (up to 6.0ml) and tubes from other brands
- No adaptors required
- Optional sensor cap detection
- Operates stand-alone or in a fully automated environment



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you discover



# media preparation



## brands FAST AND SAFE MEDIA PREPARATION BY INTEGRA

**AHN**  
Biochemicals  
Karlshof

Integra, a company based in Switzerland and the USA, is a leading supplier of high-quality laboratory products for liquid processing, media preparation, and sterilization. Integra is known for its quality service. Moving liquids in a precise and productive way is core to many tasks of laboratory professionals in the life science industry. NBS Scientific is, together with Integra, dedicated to offering fast and safe solutions for media preparation. Also want matching high-quality Petri Dishes? Then we recommend the Capp Petri Dishes.

**PETRI DISHES & MEDIA BOTTLES**



## CAPP PETRI DISHES

*High-quality petri dishes with excellent thermal and optical qualities.*

### FEATURES AND BENEFITS

- High-grade petri dishes that ensure microbial cultivation
- Capp Petri Dishes are designed to optimize your workspace
- High-quality optical properties, which speeds up analysis after incubation
- Optimized airflow without the risk of contamination



## CAPP MEDIA BOTTLES

*Ensure the integrity of samples with state-of-the-art materials.*

### FEATURES AND BENEFITS

- Suitable for storage between -70°C and 60°C
- Manufactured with the best materials to minimize influence on your samples
- Media Bottles have been tested to remain sealed under various conditions
- Designed to meet stringent biopharmaceutical requirements
- Available in multiple volumes between 30 ml and 2000 ml



we deliver  
you discover



# cell cultivation



## brands THE CELL CULTIVATION SYSTEM THAT CAN BE CUSTOMIZED

**PFEIFFER**

Cell culture is the process by which cells are grown under controlled conditions, generally outside their natural environment. After the cells of interest have been isolated from living tissue, they can subsequently be maintained under carefully controlled conditions. Pfeiffer is a German company with a lot of experience in cell control. This company has the knowledge to guarantee constant quality.

## CELLROLL

*Optimized cell culture.*

### FEATURES AND BENEFITS

- Includes two roller racks, which each hold 2 bottles, for a total of 4 bottles
- Includes a control unit and a motor unit (Bottles are sold separately)
- A motor unit can handle 8 roller racks, which are 16 bottles in total, and a control unit can handle up to 2 motor units, so 32 bottles total.
- Additional racks and control units are sold separately
- The drive unit is moisture resistant and comes in 2 programmable speed ranges: 0.1 to 2 rpm or 2 to 6 rpm
- An alarm is triggered in the event of a power failure or accidental disconnection of the drive unit or control panel
- Robust and corrosion-resistant design



CELL CULTIVATION



**PFEIFFER**

## CELLSPIN

*Optimized cell culture.*

### FEATURES AND BENEFITS

- Shaker for cell cultures in flasks with a robust and corrosion-resistant design
- Flasks have a culture volume from 100 to 1000 ml
- Speed ranges from 5 to 75 rpm, while the stirring parameters can be individually adjusted and changed at any time on the control panel
- The control panel can be positioned outside the incubator, while the flask can be stirred inside
- An alarm is triggered in the event of a power failure or accidental disconnection of the drive unit or control panel



## CELLINE

*A disposable bioreactor for high protein expression rates.*

### FEATURES AND BENEFITS

- Cultivate cells at the highest densities ( $10^7$ - $10^8$  cells/ml)
- Express proteins like monoclonal antibodies at very high concentrations and with less consumption of supplements like serum, therefore reducing costs
- The bioreactor is separated by means of a 10kDa semi-permeable membrane, which allows a continuous diffusion of nutrients into the cell compartment, with a continuous removal of any inhibitory waste product



we deliver  
you discover



# technical services



## TECHNICAL SERVICE

*Preventative maintenance plans keep your equipment in excellent condition.*

By investing in our preventative maintenance plans, you can make sure your laboratory automation equipment works properly every day of the year. Regardless of your location, our service technicians will install, demo, train, and/or repair your equipment on-site. Simply call or email us to discuss your laboratory's needs.

## NEED TECHNICAL SUPPORT?

*We've got you covered.*

Whether you need help placing an order or have a question about a product, our technical experts are here to assist you when you need it most. There are three easy ways to contact us.



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NBSSCIENTIFIC.COM

## TECHNICAL SERVICES BY NBS SCIENTIFIC

*Accuracy and durability of equipment.*



### MAINTENANCE AND REPAIRS

*By well-trained employees*

To maintain the accuracy, performance, and longevity of your laboratory equipment, regular maintenance is essential. At NBS Scientific, we offer a dedicated Technical Service program designed to keep your systems running smoothly with minimal downtime and maximum precision.

### COMPREHENSIVE MAINTENANCE AND REPAIRS

*Here, when your equipment needs us most*

Our service technicians are highly skilled and undergo annual training directly from our equipment manufacturers. This ensures that all maintenance and repairs are performed according to the latest standards and best practices. Whether it's an in-house repair or an on-site visit, we offer flexible service options to suit your needs.

### VARIOUS LEVELS OF SERVICE

*Service plans that fit your needs*

We provide three tailored service plans for various instruments, ranging from basic maintenance to full-service coverage. Whatever your requirements, we're here to support your laboratory operations with dependable service and expert care.

## LAB SET-UP GUIDE

*Customized support to build or expand your lab*

Whether you are launching a new lab or scaling an existing one, our Lab Set-Up Guide is here to help. We work with you to understand your research needs and recommend tailored solutions to optimize accuracy, efficiency, and storage. From sample tracking to automation options, our guide ensures your setup is future-proof and ready to support your scientific goals.

we deliver  
you discover



# sustainability



## SUSTAINABILITY PROGRAM

*At NBS Scientific, we value sustainable solutions at heart.*

We strive to operate as sustainably as possible in every aspect of our business, from selecting packaging materials and curating our product portfolio to choosing promotional items and planning business travel. When certain sustainable choices are not feasible, particularly when they may impact the quality of our products or services, we seek alternative ways to minimize our environmental footprint. For example, we explore options such as offsetting emissions to achieve CO<sub>2</sub> neutrality.

## OUR ROAD TO BECOMING CO<sub>2</sub> NEUTRAL

*In 2023, we became CO<sub>2</sub> neutral by supporting sustainable charities.*

At NBS Scientific, sustainability is a core value embedded in everything we do. Each year, we work to reduce our CO<sub>2</sub> emissions and offset any remaining impact, achieving CO<sub>2</sub>-neutrality in scopes 1 and 2 for 3 years and partially in scope 3. To strengthen these efforts, we partner with ORCA, an organization supporting certified climate projects. During a visit to Van Werven in Flevoland, an ORCA plastic recycling project, we saw how structured recycling reduces emissions by enabling material reuse and reducing waste incineration.

## CORPORATE SOCIAL RESPONSIBILITY

*Our program reflects our commitment towards a greener world.*

At NBS Scientific, Corporate Social Responsibility (CSR) is deeply embedded in our core business values. Our CSR program is built around three key pillars: the well-being of our employees (People), environmental sustainability (Planet), and social commitment (Profit). We are committed to maintaining ethical relationships with our employees, customers, and suppliers. We actively participate in initiatives that contribute to a more sustainable world and support both local and national organizations that promote the health and welfare of people and animals.

The initiatives listed below reflect our commitment to CSR and are integrated into our operations through a quality management system certified to ISO 9001:2015 and an environmental management system certified to ISO 14001.

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### WELL-BEING OF OUR EMPLOYEES

*This is what we do to help our employees stay healthy and motivated.*

At our company, we believe that people thrive when there is room for balance and growth. That is why we encourage our employees to take their vacation days, making sure they have time to recharge and enjoy their time off.

Inside the office, we nurture collaboration through regular team-building and create an open and informal atmosphere where ideas can grow. To support personal and professional development, we offer a wide range of training and courses, helping our colleagues unlock their full potential.

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### SUSTAINABILITY

*This is what we do for a better, more sustainable world.*

Our commitment extends beyond people; it reaches into the way we treat our planet. Our head office runs entirely on 100% local wind energy, and we work only with suppliers who share our dedication to sustainability. We design our products with the environment in mind, offering solutions like refills that reduce waste. In our offices, we have lowered energy usage with a smart lighting plan and shifted to digital communication whenever possible. When printing is necessary, we choose recycled paper.

For three consecutive years, NBS Scientific has been CO<sub>2</sub>-neutral in scope 1 and 2 emissions, and partially in scope 3. We minimize emissions wherever possible and offset the remainder by investing in certified climate projects through ORCA, supporting measurable, high-quality sustainability initiatives.

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### SOCIAL COMMITMENT

*This is how we are socially involved.*

Giving back to society is equally important to us. NBS Scientific supports the local charity Muziekids, which helps hospitalized children by giving them the opportunity to play musical instruments and distract themselves from difficult times. Through music rooms and guided activities, Muziekids offers young patients a joyful escape from their hospital environment and a chance to simply feel like kids again. We also open our doors to students, offering internships and comakerships that give them valuable real-world experience and a steppingstone for their future careers.

## OUR BRANDS

*Learn more about the brands we love to work with.*



AFYS3G is a Dutch company dedicated to optimizing laboratory workflows through innovative bench-top equipment. Founded on three core goals: enhancing performance, empowering integration, and ensuring compatibility, AFYS3G develops smart solutions that improve efficiency in sample handling and management. Specializing in devices for the life sciences industry, AFYS3G offers a versatile product range including laser markers, screw cap recappers, code readers, and thawing stations.



Founded in 1999 in Nordhausen, Germany, AHN Biotechnologie GmbH is a leading manufacturer of laboratory consumables and liquid handling products. Through its advanced automated production and commitment to precision and reliability, AHN serves research, diagnostic, and industrial labs worldwide with both standard and OEM solutions. The company unites three specialized brands under one name: AHN, CAPP. Together, they deliver a complete and trusted portfolio of laboratory solutions.



Crystal Technology & Industries, Inc. (CTI) designs and manufactures high-quality laboratory instruments and supplies for medical and scientific research. Their product range includes mini centrifuges, mixers, shakers, and stirrers, ideal for efficient bench-top sample preparation.



GenTegra is a U.S.-based company specializing in stabilization technologies for the safe transport and long-term storage of biological samples. Designed to protect RNA and DNA at ambient temperatures, GenTegra's products eliminate the risks and limitations of freezing. Whether used for next-generation sequencing (NGS), pre-analytical workflows, or field collection, GenTegra offers both liquid and paper-based solutions.



Hektros develops and manufactures innovative laboratory disposables and equipment for a wide range of chemical, biotechnological, and medical-pharmaceutical applications. As part of the AFYS3G group, Hektros benefits from shared technological resources and engineering expertise, allowing it to bring forward-thinking, high-quality products to the market with a strong emphasis on innovation over imitation.



Founded in 1964, Hirschmann is a global leader in high-precision laboratory instrumentation. Known for its trusted volumetric glassware and award-winning innovations, like the first solar-powered digital burette, Hirschmann combines quality, sustainability, and advanced design. Certified under ISO and EMAS standards, Hirschmann delivers reliable, eco-conscious tools for modern laboratories worldwide.



Micronic, headquartered in the Netherlands and the U.S., develops advanced sample storage and automation solutions for life science laboratories worldwide. Their product range includes high-purity storage tubes, caps, racks, barcode readers, and automated equipment for (de)capping, labeling, and scanning. Trusted by research institutions, hospitals, and biotech companies, Micronic ensures secure sample preservation and precise identification for even the most demanding applications.



Novitain offers labware and equipment products to enhance the preparation and processing of samples. The labware products include blank round-bottom tubes in 96-well format, a high-density format Grid Rack and caps in a strip, mat or cluster format.



PFEIFFER, a German company with over 20 years of experience in automation, specializes in tailored solutions for laboratory and biotechnology applications. Their DIN EN ISO 9001-certified CELLROLL and CELLSPIN product lines offer reliable, modular systems for dynamic cell cultivation. Built with corrosion-free, durable materials, PFEIFFER's solutions are designed to grow with your lab's needs, ensuring flexibility, precision, and long-term performance.



Ritter GmbH is a highly productive manufacturer of plastic consumables. The family-owned company has more than 50 years of experience in the injection moulding of branded laboratory and medical products. Their own production facilities are certified according to ISO DIN 9001.



Scinomix is an American company specializing in automatic plate and tube labeling systems for the life science industry. These automatic systems can scan, sort, decap, fill, seal, and label a variety of tubes, including Micronic tubes. The devices have high throughput and are built with high-quality components.  
**Exclusively available in: France, Germany, Denmark, Switzerland, the United Kingdom, Austria, Switzerland**



SPL Guard develops specialized laboratory equipment for the controlled preparation of biological samples, particularly before ultra-low temperature storage or handling. As part of the AFYS3G portfolio, SPL Guard benefits from deep expertise in laboratory automation and workflow optimization. Its innovative thawing stations are designed to rapidly and uniformly thaw samples, helping labs save time and maintain sample integrity during critical preparation steps.

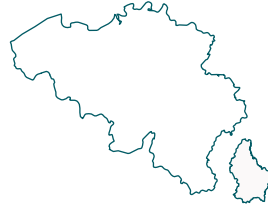
## OUR LOCATIONS AND OFFICES

*Our countries and offices we operate in.*



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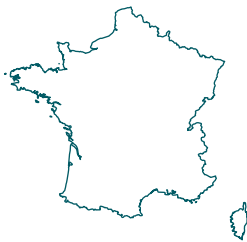
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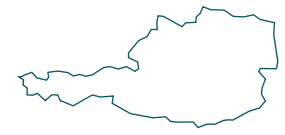
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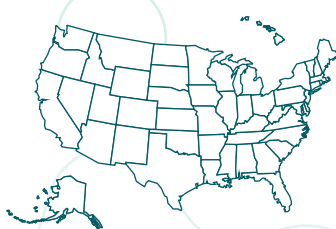
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## EVENTS, TRADE SHOWS AND WEBINARS

*Come meet our team or get a live demonstration.*

Throughout the year, NBS Scientific is proud to be present at many of the most prominent trade shows and exhibitions within the Life Science industry. At these events, we showcase our latest product innovations and offer live demonstrations to illustrate how our solutions can improve efficiency, precision, and workflows in your laboratory environment.

In addition to our presence at physical events, we also host a variety of webinars and online demonstrations throughout the year. These sessions cover not only our product range, but also explore relevant topics designed to keep you informed throughout the year.

Wish to know more about our upcoming events?

Scan the QR code for an overview of upcoming events you can find us on!



## SOCIAL MEDIA AND NEWSLETTER

*Stay up to date with our latest product innovations by connecting with us.*



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