



innovative lab solutions

collect - prepare - analyze - manage - store your samples

we deliver
you discover



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 10 years of experience in the life science industry—you're choosing a trusted partner that 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.

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

TABLE OF CONTENTS

Sample Collection	4
Urine Sample Collection Kits	5
Stability Reagents	5
Liquid Handling	10
Pipettes & (Robotic) Pipette Tips	11
Pumps	16
Sample Preparation	18
Centrifuges, Shakers & Mixers	19
Homogenizers	24
Incubators	25
Plate Washers	25
Frozen Sample Aliquotters	26
Thawing Stations	26
Sample Analysis	28
Luminometers	29
Deepwell Plates & PCR Plates, Tubes and Strips	30
Sample Management	32
Laser Markers	33
Tube Handlers	34
Barcode Readers	36
Sample Storage	40
Consumables	41
Starterpacks	47
Tools	48
(De)cappers	49
Heat Sealers	51
Media Preparation	52
Mediaclave	53
Mediajet	53
Cell Cultivation	54
Cellroll, Cellspin, Celline	55
Technical Service	56
Corporate Social Responsibility	57

our brands

- AFYS3G
- Basque Engineering & Science
- Capp
- Geneye
- GenTegra
- Integra
- IVUS
- Micronic
- Novitain
- Pfeiffer
- Ritter
- SPL Guard
- Vitl

we deliver
you discover

sample collection



brands

IVUS
Unique Lab Results

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 IVUS are developed to simplify and facilitate clean, hygienic and sterilized urine collection. Whereas the products from GenTegra will allow users to collect and protect DNA and RNA in a dry state.

HYGIENIC URINE SAMPLING KIT

Developed to simplify and facilitate clean, hygienic and sterilized urine collection.

FEATURES AND BENEFITS

- Urine is collected in a closed system to avoid sample contamination
- For regular and advanced testing
- Proper collection of the sample reduces incorrect results up to 77%
- All kits are sterilized
- Easy to use and to hand out for the laboratory staff
- Designed to improve and ease the life of patients



SAMPLE COLLECTION

IVUS
Unique Lab Results

GenTegra

GENTEGRA COLLECTION CARDS

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

FEATURES AND BENEFITS

- Available in GenSaver 1.0 and 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
- Color changing formats are available for collection of clear samples such as saliva



SAMPLE
COLLECTION

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 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 temperatures
- Available in multiple packaging formats: 100 screw cap tubes, 96 well microplates and even bulk formats

GENTEGRA RNA

Water soluble chemical matrices that protect RNA in dry & liquid state.



FEATURES AND BENEFITS

- Is able to protect RNA when being shipped for RNA sequencing and when stored in the lab for days
- GenTegra RAN is protecting against RNase activity
- Protects RNA better then when stored on dry ice
- Is able to provide superior RNA sequencing data
- GenTegraRNA is a water soluble
- Has a shelf life of greater than 3-years stored at room temperatures
- Available in multiple packaging formats: 100 screw cap tubes, 96 well microplates and even bulk format

GENTEGRA RNASSURE

Immediate, complete and maximum RNA protection.



SAMPLE
COLLECTION

GenTegra

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 purification process or environmental contamination
- Utilizes GenTegra's proven, patented Active Chemical Protection™ (ACP) chemistry
- Eliminates the potential that RNA may degrade during every day experimental protocols or due to catastrophic freezer failure
- Can protect RNA for at least 3 days at room temperature (RT) and 2 weeks at 4 °C
- RNAssure protected RNA shows no significant change in RNA quality throughout the 4-hour exposure to RT
- Is easily integratable into extraction and purification kits from all major life science manufacturers
- Protects RNA from damage during DNase treatment at the higher temperature of 37 °C



GENTEGRA GENPLATES

Safely store blood, buffy coat & 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



SAMPLE
COLLECTION



NOVITAIN 50-WELL FORMAT RACK

The solution for short-term sealing of 13mm diameter sample collection tubes.



FEATURES AND BENEFITS

- Positions 50 sample collection tubes in such a way that it is exactly compatible with the Novitain Capcluster-50
- Light-weight and has an open well side 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 IVD 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 & 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 accuracy of test results
- Doesn't require adapters and is adjustable in height

REQUEST YOUR FREE DEMO NOW
CONTACT US AT: INFO@NBSSCIENTIFIC.NL



we deliver
you discover

liquid handling



brands

CAPP

INTEGRA

ritter
MEDICAL

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

The range of products for Liquid Handling is quite comprehensive at NBS Scientific. We provide several high-quality manual and electronic pipettes. To complete these pipettes we offer a range of pipette tips: filtered, racked, individually wrapped or in bulk, everything is possible. We also provide robotic tips, which are custom made for robotic systems. Each individual tip is guaranteed to be made with the highest quality in mind. To further handle all liquids in the field of work, we offer a variety of vacuum and peristaltic pumps.

ELECTRONIC PIPETTES

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

FEATURES OF CAPPTRONIC

- One of the easiest multichannel electronic pipettes to set up and use
- Up to nine individual protocols can be stored
- Next to standard pipetting, you can also use it for reverse pipetting, multi dispensing, mixing and sequential dispensing

FEATURES OF CAPPMAESTRO

- Optimize your serial work with advanced functions such as multi dispensing
- Easily store your favorite protocols
- Equipped with long lasting lithium batteries
- Use Capp digital pipettes while charging



LIQUID
HANDLING
CAPP

MANUAL PIPETTES

Combines lightweight ergonomic design with the latest innovations in pipetting.

FEATURES OF CAPP MANUAL PIPETTES

- Ergonomic and very light weight
- Robust design with metal tipcones
- Easy tip mounting and ejection to increase durability of pipettes
- Constructed of the highest quality autoclavable materials



MANUAL PIPETTE RANGES

- Capp Bravo Pipette
- CappAero96 Multi
- CappAero384 Multi

CAPP ECOPIPETTE

- Minimizes the environmental impact of frequent disposal of laboratory pipettes
- Biodegradable packaging
- And many more advantages



LIQUID
HANDLING
ritter
MEDICAL
INTEGRA

MANUAL PIPETTES

For efficient pipetting.



RITTER RIPETTO PRO

Lightweight and reliable.

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



INTEGRA PIPETBOY

Precision, speed and reliability.

- Pipetting is controlled by two operating buttons
- Precise drop-by-drop dispensing is easily possible
- Powered by a Lithium Polymer battery
- To avoid contaminations with accidentally absorbed liquids pipet is protected by a sterile filter
- Quiet and strong pump for high pipetting speed
- Available in different colours



RITTER RITIPS EVOLUTION

Universal dispenser tips for a variety of steppers.

FEATURES AND BENEFITS

- All nine sizes come with a color-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



LIQUID
HANDLING

ritter
MEDICAL

CAPP

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 effective filter barrier to prevent liquid from overflowing
- Designed to fit all available motorized pipette controllers in the market



LIQUID
HANDLING



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 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

RELOAD
SYSTEM
AVAILABLE!

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
- 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



RITTER ROBOTIC TIPS

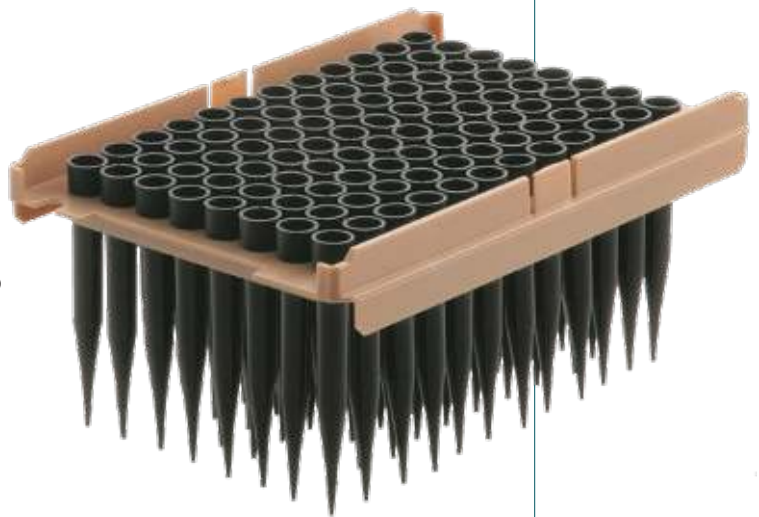
Precision pipette tips suitable for robotic systems.

FEATURES AND BENEFITS

- Tips have a high accuracy and low retention
- Small volumes can be dosed with high precision and without contamination
- Available as 'Black Knights' and 'Clear Knights' and in 10 different sizes
- The conductivity of the black knights enables the system to recognize the filling height.
- Several quality controls in manufacturing process to 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

LIQUID
HANDLING

ritter
MEDICAL



AVAILABLE AS
CLEAR AND
BLACK KNIGHTS



MORE ABOUT THE WIDE BORE TIP:

Ritter Medical offers now 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.



LIQUID
HANDLING

INTEGRA

INTEGRA PERISTALTIC PUMP DOSE-IT

The cleanest and simplest type pump.



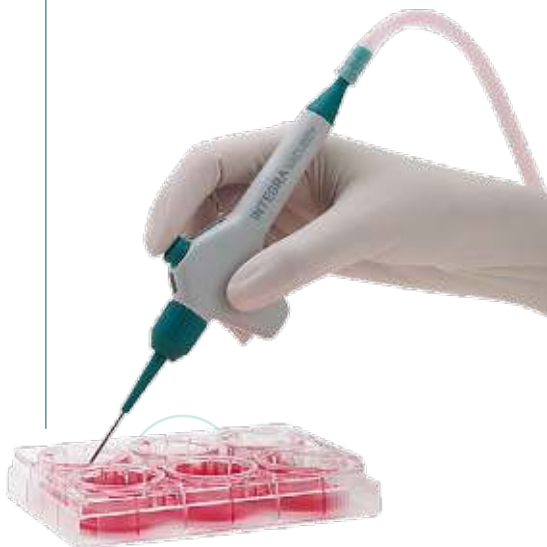
CAN BE
MOVED
EASILY!

FEATURES AND BENEFITS

- Edit various parameters, such as the volume, flow rate and cycle time, to your own needs
- Compact design; very lightweight
- Large display allows for intuitive programming and operation
- Fliptop pumphead allows for an easy and quick tubing exchange
- Different tubing sizes - compatible with tubing from 1 - 8 mm inner diameter

INTEGRA VACUBOY

For aspiration of liquids from all sorts of containers.



FEATURES AND BENEFITS

- Converts a vacuum source into a user friendly system for aspirating liquids
- Aspiration from any laboratory container, at the touch of a button and in a controlled way
- The hand piece is simply connected to any available vacuum source using silicone tubing and different aspiration adapters
- The perfect match is obtained when the Vacuboy is connected to the Vacusafe aspiration system
- Space saving and ergonomic design

INTEGRA VACUUM PUMPS

For safe vacuuming of liquid waste.

VACUSAFE

Effective method for containment of hazardous substances.

- Combines vacuum pump, collection bottle, overflow protection and filter in one system
- Maximal personal protection because of closed aspiration system
- Self closing connectors to avoid escape of drops or aerosols
- Optional level sensor detects when the bottle is full
- Noise of the integrated pump is below 65dB



LIQUID
HANDLING

VACUSIP

Out of the box solution for wide array of liquid waste disposal tasks.

- Reliable and silent pump, enabled to operate independently from external vacuum source
- Rechargeable battery provides flexibility
- Integrated pump stops automatically when the vacuum is established
- Changing a collection bottle is easy and convenient



we deliver
you discover

sample preparation



brands

CAPP

Vitl
LIFE SCIENCE SOLUTIONS

geneeye

basque
ENGINEERING+SCIENCE

SPL GUARD

PREPARE SAMPLES FOR ANALYSIS WITH COMPACT AND EFFECTIVE BENCHTOP LABORATORY EQUIPMENT

At NBS Scientific, we offer a wide variety of products to prepare samples before analyzing them. There are different pieces of hardware allowing the thawing of samples or to take aliquots without even thawing your sample. We also offer a wide variety centrifuges, mixers, shakers and vortexers. To clean your ELISA plates we offer plate washers. For homogenizing samples, we offer a desktop homogenizer with a wide variety of beads. Lastly, we have mini incubator available, which is easily installed on any laboratory bench and is easily moveable.

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 break system for protection of the user
- With brushless DC motors, which are maintenance free
- Intuitive user interfaces
- 2-year warranty

SAMPLE PREPARATION

CAPP

VERY COMPACT DESIGN!



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.

SAMPLE
PREPARATION

CAPP SHAKERS & STIRRERS

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



3D SHAKER



MICROPLATE SHAKER

WITH SAFETY
BRAKE
SYSTEM!



VORTEX MIXER



HOTPLATE STIRRER



PLATFORM SHAKER

SPECIFICATIONS OF CAPP RONDO 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 CAPP RONDO EQUIPMENT

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

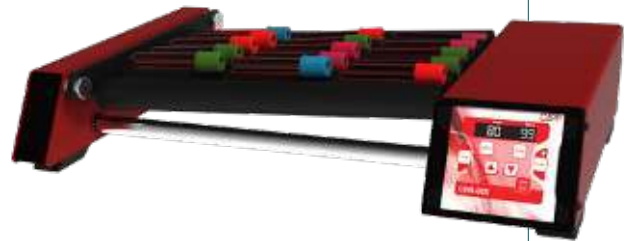
CAPP BLOOD MIXER ROLLERS

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

SAMPLE PREPARATION

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 throughout mixing
- Programmable pulse mode available
- Detachable and autoclavable rollers
- Rollers have a length of 33cm
- Build in timer setting up to 99 minutes
- Up to 9 programmable user protocols



CAPP SPIN COLUMNS

A game changer for DNA/RNA purification.

CO-MIX

- 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



SAMPLE
PREPARATION



CAPP MICROPLATE MIXER

Provides thorough, simultaneous mixing.

SIMULTANEOUS MIXING AND HEATING

- 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 time interval from 1 – 999 minutes, or infinite mode
- Takes minimum benchtop space
- Integrated digital display
- With rubber O-rings, which provides the shaker ultimate grip for all 4 plates
- The loading and unloading and accessing of the plates can be done without any effort



GENEYE MIMIXER

The combined strenght of heating and mixing.

SIMULTANEOUS MIXING AND HEATING

- High mixing frequency up to 1800 rpm
- Create and store up to 5 user-defined mixing profiles
- Temperature gets spread out evenly across the racks
- Heats from 25 °C to 100 °C withing less then 12 minutes



VITL MIXERS

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

CO-MIX

- Provides simultaneous, independently controlled microplate mixing and tube vortexing in one
- Create and store user-defined mixing profiles
- Innovative plate-holding mechanism
- No spill risk
- Visual countdown timer and audible alert for completion of mixing or vortexing
- Adapters for different tube brands & sizes available



SAMPLE PREPARATION



THER-MIX

- Accurately mix and heat samples
- Capability to create and store your own mixing profiles
- Interchangeable Heated Modules support various sample tubes
- Unique compact design



FLEXI-THERM

- Highly accurate, repeatable sample heating
- Ideal for sample preparation and incubation
- Visual countdown timer and audible alert on completion of heating
- Temperature accuracy +/- 0.1°C
- Heated lid on some Heated Modules gives direct consumable contact



SAMPLE
PREPARATION



HOMOGENIZERS

A versatile bead beater.



OPERATION BENEFITS

- Bead mill technology
- Easy cleaning procedure
- User friendly interface

RUN CYCLE
OF ONLY
1 MINUTE!

UPHO HOMOGENIZER

- Developed for both routine samples and samples that are difficult to grind
- Quickly breaks down biological sample types including plant and animal tissue, cells, bacteria and yeast
- High throughput - up to 64 samples at a time
- No contamination between activities
- Works with cryogenic and room temperature samples

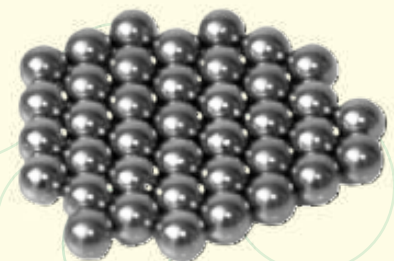
UPHO BENEFITS

- Laboratory friendly; noise less than 65dB
- Versatile; huge range of adapters for different types of tubes available
- Robust; simple and reliable
- Affordable; standard with free adapter and two types of beads



ALSO AVAILABLE:

Beads for the UPHO. We can deliver a wide range of beads, all compatible with the UPHO homogenizer by Geneeye. You can choose the material of the beads, which we can offer in ceramic, glass, metal and wolfram steel. Next to material, size is also choosable. We offer beads ranging in size from 0.1mm to 6.0mm.



INCUBATORS

Benchtop incubators, ideal for smaller laboratory setups.

CAPPRONDO MINI INCUBATOR

- Compact incubator that fits on your benchtop
- Built-in digital temperature control system
- Thermal range between -15°C and 60°C
- Easily moveable due to its size of 13 x 14.5" and weight of 6.5 kg
- Equipped with an user friendly LED display
- Max load capacity of 20 liters

CAN BE
MOVED
EASILY!



SAMPLE PREPARATION

CAPP

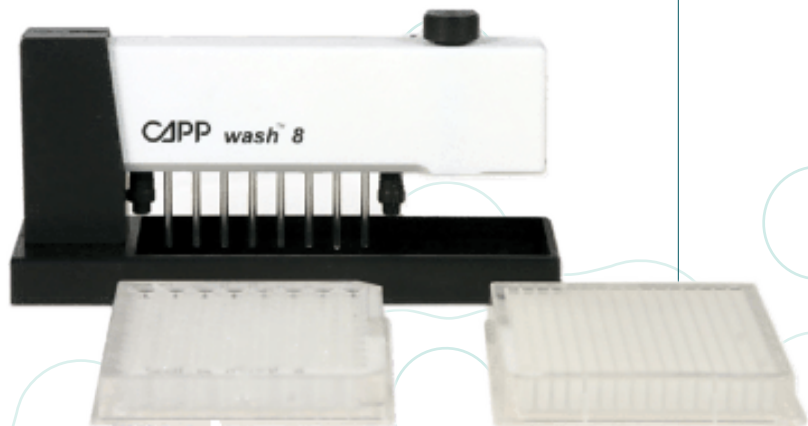
PLATE WASHERS

To clean and wash your (ELISA) plates.

GREEN
CHOICE

CAPPWASH

- 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
- Its operated with just the click of a button



SAMPLE
PREPARATION

FROZEN SAMPLE ALIQUOTTERS

For preserving sample quality and streamlining sample processing.



CXT353 ALIQUOTTER

- Can aliquot from a wide range of frozen samples
- Can extract multiple aliquots from a single sample
- Both parent sample as the taken aliquots are maintained at temperatures below -80°C via LN2 chilling
- Eliminates the need for a thawing and freezing process
- Equipped with a laser targeting system to precisely select the aliquot
- Prevents cross-contamination and sample carryover by making use of single-use coring probes
- Generates frozen aliquots ranging in size from $10\mu\text{l}$ to $250\mu\text{l}$

THAWING STATIONS

To defrost samples in a controlled manner.



SPL GUARD - FLORIDA

- Controllably thaws samples in a multi rack capacity
- Can be used stand alone or integrated into a robotized workstation.
- Thawing up to 10 racks in just 9 minutes.
- Thaws in a consistent rate to guarantee the quality of the sample remains the same.
- Thaws all samples evenly



FASTEST
DEFROSTING
STATION
ON THE
MARKET

REQUEST YOUR FREE DEMO NOW
CONTACT US AT: INFO@NBSSCIENTIFIC.NL



we deliver
you discover

sample analysis



brands



ritter
MEDICAL

CAPP

HIGH QUALITY EQUIPMENT AND CONSUMABLES THAT ARE USED DURING THE ANALYZING PROCESS OF SAMPLES

To analyze samples accurately, NBS Scientific has equipment for you ready. We can offer a luminometer to measure the luminescence of biological and chemical reactions. We also have a wide variety of tubes, tube strips and plates used during analyzing of samples. These products are made of a highly transparent and high quality plastics. These products are compatible with automated liquid handlers, thermal cyclers or magnetic particle processors.

LUMINOMETERS

Optimized for biological and chemical luminescence reactions.

LU-MINI

- Compact and lightweight benchtop luminometer
- Accepts a single tube/vial
- Compatible with 10 -15mm round tubes/vials as well as 10mm square cuvettes
- Different reading modes available, including single/dual point, peak detect and kinetic data collection
- Fast reading time with optional integration phase
- USB connectivity for sample/results data transfer
- Free included app for the PC
- Storage capacity for up to 1000 test results
- Intuitive touchscreen available for easy operating



SAMPLE ANALYSIS

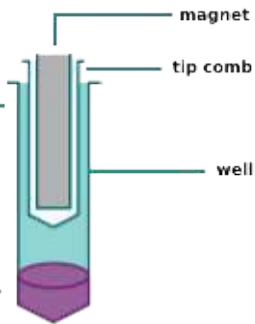
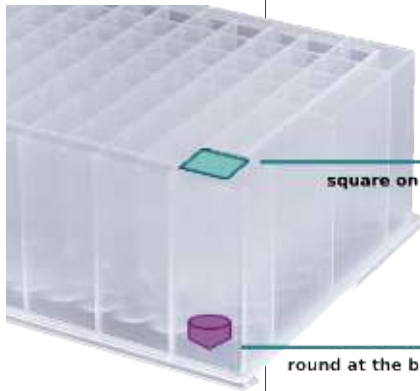


**SAMPLE
ANALYSIS**
**ritter
MEDICAL**

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
- 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 the compatibility with most common laboratory machines
- Also in Square wells available.

PCR PLATES, TUBES & STRIPS

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

SAMPLE
ANALYSIS
CAPP

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



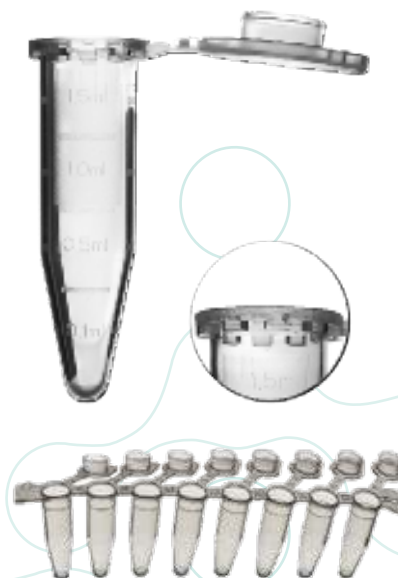
CAPP EXPELL PCR PLATES

- 96-well PCR plates
- Autoclavable and highly transparent
- Optimal for bottom signals
- DNA, DNase, RNA, RNase and Pyrogen free
- Compatible with 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 cap
- Tube sizes are 0.1 and 0.2 mL
- Optimal use in situations where signal is obtained through bottom of tubes
- Fit perfectly in standard thermal cyclers
- Thin-walled to reduce adhesion of proteins
- V-shaped bottom for 100% sample recovery
- Evaporation less than 3%



we deliver
you discover

sample management



ENHANCE YOUR SAMPLE MANAGEMENT WITH THESE INNOVATIVE AUTOMATION TOOLS

At NBS Scientific, we supply a comprehensive assortment of innovative tools that improve your way of managing samples. We have tools that mark tubes with lasers, either manual or fully automatic. We also offer devices that can read these codes to quickly track and trace your valuable sample. Want to go a step further and let a machine automatically sort tubes for you? We offer these machines as well.

AFYS₃G LABWARE MARKING SYSTEMS

Manual and automated tube marking.

SAMPLE
MANAGEMENT
[AFYS]3G

MANUAL LASER MARKING SYSTEM LAMBDA8

No labels, stickers or ink to mark tubes.

- Mark tubes from 0.30ml to 15.00ml
- Engrave any shape, logo, text or sample ID directly onto the surface of a tube
- To ensure absolute traceability of samples
- Position the laser to preferred marking area
- Small benchtop solution



AUTOMATED LASER MARKING SYSTEM LAMBDA576

The only automated laser marker on the market!

- Laser etch tubes from a variety of sizes and brands
- No labels, stickers or ink is used to mark tubes
- Can hold up to 6 racks in ANSI / SLAS format
- Markings are resistant against chemicals, mechanical abrasion and temperatures between +100°C and -196°C



COMPATIBLE
WITH LIMS
SYSTEMS!

TUBE HANDLERS

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

MICRONIC HT500 TUBE HANDLER

- Automatically sorting tubes within 96-well format racks
- Cost effective solution
- Semi-automatic linking between rack-ID and rack-position
- 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 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



TUBE HANDLERS

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

SAMPLE MANAGEMENT

MICRONIC HT700 TUBE HANDLER

PROCESS MORE TUBES IN LESS TIME!

- 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 USB stick
- Operating requirements: 115V
- Dimensions: 560 x 864 x 889 mm



**SAMPLE
MANAGEMENT**

SINGLE TUBE CODE READERS

For fast, accurate, and efficient sample identification.

Tube Reader DT510

Tube Reader DT300



FEATURES



Scan time: 1 second

Scan time: 1 second



Dimensions: 70 x 72 x 120 mm

Dimensions: 150 x 40 x 40 mm



CIS imaging technology

CIS imaging technology



96, 48, 24-format compatible

96, 48, 24-format compatible



1D barcode reading

1D barcode reading



2D Data-Matrix code reading

2D Data-Matrix code reading

DID YOU KNOW...

We offer preventative maintenance plans to help you preserve the functionality of your laboratory automation equipment. Whether your instruments need tuning up or your QC protocols require a strict maintenance schedule, our trained service technicians will provide you with the service you need to thrive in the lab.



REQUEST YOUR FREE DEMO NOW
CONTACT US AT: INFO@NBSSCIENTIFIC.NL



DID YOU KNOW...

Micronic equipment is designed to deliver outstanding performance. If a product is defective, Micronic will arrange to repair or replace the product during the warranty period. This period starts on the day Micronic invoices the original product and ends after **5 years** for code reading equipment and **1 year** for all other equipment.



**SAMPLE
MANAGEMENT**

FULL RACK CODE READERS

For fast, accurate, and efficient sample identification.

Micronic DR710



Micronic DR700



FEATURES



Scan time: 7 seconds

Scan time: 7 seconds



Dimensions: 309 x 230 x 87 mm

Dimensions: 309 x 230 x 87 mm



CCD Imaging Technology

CCD Imaging Technology



96, 48, 24-format compatible

96, 48, 24-format compatible



Active Anti-frost system

Passive Anti-frost system



Single tube reading

Single tube reading



Optional 1D barcode reader

Optional 1D barcode reader

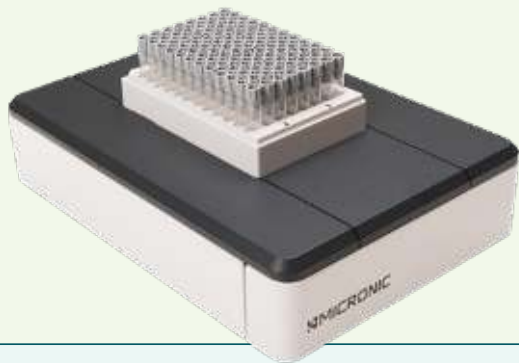
**INCLUDES
SINGLE-TUBE
READING
FUNCTION!**

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 DR505



Micronic Side barcode reader



Scan time: 5 seconds	Scan time: 1 second
Dimensions: 265 x 186 x 70 mm	Dimensions: 230 x 132 x 35 mm
CIS Imaging Technology	CCD Imaging Technology
96, 48, 24-format compatible	ANSI/SLAS barcoded rack compatible
Passive Anti-frost system	N/A
Single tube reading	N/A
Optional 1D barcode reader	1D barcode reader



The Micronic DR700 and DR505 scanners are designed with an anti-frost system that can read racks filled with 2D barcoded tubes straight from the freezer. The anti-frost system minimizes condensation on the scanning surface, giving each scanner the ability to read all tube codes, even the ones on frozen samples.

sample storage



brands



MICRONIC LABWARE







- Manufactured and assembled in a certified Class 7 clean room environment
- Endotoxin level of labware limited to an acceptable minimum (<0.01 EU/ml)
- Materials and auxiliary agents used to manufacture labware are FDA compliant and selected based on the highest purity levels
- Complies with Class 1 CE label (EU directive 98/79/EC is the leading standard). Material Safety Data Sheets available for all products
- No measurable amount of extractables from material leach into samples
- Upon request, products can be supplied gamma irradiated or ethylene oxide treated
- Complies with highest injection molding standards and is free from RNase and DNase contamination

INTERNAL THREAD TUBE CHART

Overview and specifications.

SAMPLE STORAGE



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

SAMPLE STORAGE

EXTERNAL THREAD TUBE CHART

Overview and specifications.



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

SUPERIOR TUBE FEATURES

High-quality tubes in a wide range of sizes and options.

The push cap tube (internal) is designed to prevent caps from popping off during thawing.



The screw cap tube (internal) has a single turn thread to easily open/close tube.



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



The screw cap tube (external) has a triple-start thread for optimal seal quality.



Black code surface can't be separated from tube due to a unique injection molding technique.










Inner U-bottom for maximum working volume.



HYBRID TUBE CHART

Externally threaded tubes with 4 coding concepts.

SAMPLE STORAGE

							
	0.75 ml	1.40 ml	1.50 ml	2.00 ml	3.00 ml	3.00 ml	6.00 ml
Storage Rack	Micronic 96-2	Micronic 96-4	Micronic 24-1	Micronic 48-2	Micronic 48-3	Micronic 24-1	Micronic 24-4
Inner Tube Shape	U-bottom	U-bottom	Flat bottom	Flat bottom	Flat bottom	Flat bottom	Flat bottom
Working Volume (+21°C)	0.62 ml	1.20 ml	1.45 ml	1.95 ml	2.90 ml	2.45 ml	6.00 ml
2D coded	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1D barcoded	Yes	Yes	No	Yes	Yes	No	Yes
Human readable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Blank tube walls	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Capping Options	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap	Screw Cap
Outer Diameter	8.8 mm	8.8 mm	16.3 mm	13.0 mm	13.0 mm	16.3 mm	16.3 mm
Tube Height	30.0 mm	48.0 mm	16.0 mm	30.0 mm	41.0 mm	23.0 mm	48.0 mm
Tube Height with SC	33.5 mm	51.5 mm	19.5 mm	33.5 mm	44.5 mm	26.5 mm	51.5 mm
Height tube in rack	30.8 mm	48.8 mm	17.0 mm	30.8 mm	42.0 mm	24.0 mm	48.8 mm
Precapped	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Twist-lock	Yes	Yes	Yes	Yes	Yes	No	Yes
Min. Storage Temp.	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2	Vapor Phase LN2
Availability	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	Bulk, Rack	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 tube
- White code surfaces permanently on tube due to a unique injection molding technique
- Triple-start thread ensures optimal seal quality for long-term storage



AVAILABLE IN SMALL PACKS!

SAMPLE STORAGE

SCREW CAPS

Secure seal for ultra-low temperature storage.



SCREW CAPS FOR EXTERNAL THREAD TUBES

- 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
- Cap optimized for automated equipment

SCREW CAPS FOR INTERNAL THREAD TUBES

- 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



SCREW CAP ULTRA



- New design optimizes automated & manual handling because O-ring falls within tube
- Improved sealing performance for tubes with internal thread
- Available in four premium colors: blue, yellow, light green, red
- Ideal for storage at ultra-low temperatures

LOW PROFILE SCREW CAPS



- High-quality O-ring ensures optimal sealing
- Saves up to 33% of freezer space
- Available in 12 different colors
- Compatible with 96-format tubes
- Automation friendly

SCREW CAP IG



- Optimized for automation
- Has a Cap height of only 5.8mm
- Improved pattern for extra strong grip
- Newly designed lead-in on top of the Screw Cap ensures a better tube placement

PUSH CAPS

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

TPE CAPCLUSTERS

- Capclusters cap 96 tubes at once before 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



SAMPLE STORAGE

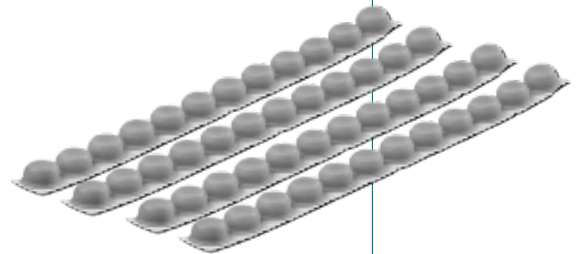
TPE CAPMATS

- 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 and externally 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 lyophilization process.

EVA PUSH CAPS



Economical way to seal sample storage tubes.

TPE AUTO DECAPPER



Removes 96 push caps in 8 seconds.

SAMPLE STORAGE

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



Tube Compatibility	Compatible with tubes from 0.30 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
Rack Format	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)
Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Dimensions	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
Resistant to Chemical Solvents	Yes	Yes	Yes	Yes
Minimum Storage Temperature	Vapor Phase LN2 to +100°C	Vapor Phase LN2 to +140°C	Vapor Phase LN2 to +140°C	Vapor Phase LN2 to +140°C



LOBORACKS, ROBORACKS, COMORACKS

Designed specifically to store and process samples.

LoboRack-96



RoboRack-96



ComoRack-96



Tube Compatibility	Compatible with tubes from 0.50 ml to 2.00 ml in size	Compatible with tubes from 0.50 ml to 2.00 ml in size	Compatible with tubes from 0.50 ml to 2.00 ml in size
Rack Format	12 rows of 8 tubes (96 tubes total)	12 rows of 8 tubes (96 tubes total)	12 rows of 8 tubes (96 tubes total)
Material	Polypropylene	Polypropylene	Polycarbonate
Dimensions	127,8 mm x 85,5 mm	127,8 mm x 85,5 mm	127,8 mm x 85,5 mm
Resistant to Chemical Solvents	Yes	Yes	Yes
Minimum Storage Temperature	Vapor Phase LN2 to +140°C	Vapor Phase LN2 to +140°C	Vapor Phase LN2 to +140°C

STARTER PACKS

For labs interested in getting started with 2D tubes and other automated products.

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.

SAMPLE STORAGE



STARTER PACK BASIC

Includes 10 racks of tubes, caps, DT510 Tube Reader, DT300 wireless scanner, and manual decapping tools.



STARTER PACK STANDARD

Includes 10 racks of tubes, caps, DR505 code reader, and manual decapping tools.



STARTER PACK PREMIUM

Includes 40 racks of tubes, caps, DR505 code reader, screw cap or manual capper, and manual decapping tools.



STARTER PACK PREMIUM+

Includes 40 racks of tubes, caps, DR505 code reader, screw cap or electric capper, and manual decapping tools.

SAMPLE
STORAGE

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 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 aluminum for frozen tubes.



SCREW CAP RECAPPER CS100
Caps and decaps individual screw cap tubes.

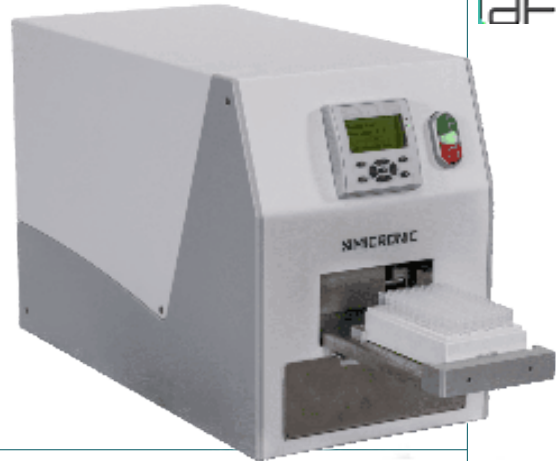
AUTOMATIC PUSH CAP (DE)CAPPERS

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

MICRONIC PUSH CAP DECAPPER CP620

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

- Simple and safe operation with CE-approval and conform UL
- User-friendly interface for easy selection of tube size and no adapters required
- Operates stand-alone or in 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



SAMPLE STORAGE

MICRONIC

AFYS3G

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 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 complete range of Micronic 96-format internal thread tubes



AUTOMATIC SCREW CAP RECAPPERS

User-friendly, automatic recapping equipment for screw cap tubes.

SIGMA RECAPPER BY AFYS3G

A screw cap recapper for every laboratory environment

- (De)caps 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
- Easy to use interface allows users to select the type of labware they want to use



**SAMPLE
STORAGE**



MICRONIC SCREW CAP RECAPPER CS500

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



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 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
- 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



VITL VARIABLE TEMPERATURE SEALER

Variable temperature heat sealer for a wide range of microplates.

FEATURES AND BENEFITS

- Designed to deliver consistent sealing in low to medium throughput laboratories
- User-variable time and temperature settings via an intuitive keypad
- Unique, ergonomic lever action, specifically designed to avoid repetitive strain injury
- One-time seal with uniform heat distribution meaning there is no need to rotate or reseal
- Warms up within minutes (170° < 10mins)



SAMPLE STORAGE



LIFE SCIENCE SOLUTIONS

VITL MICRO TS HEAT SEALER

A compact, fixed temperature heat sealer for PCR plates and microplates.

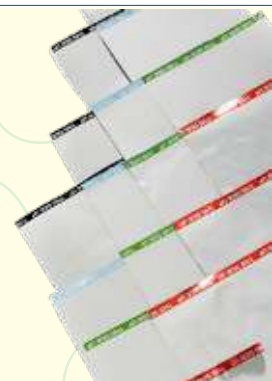
FEATURES AND BENEFITS

- Space saving design with a very small footprint
- Lightweight (only 4 Kg)
- Fast warm up time (< 10 mins)
- LED to indicate when the MicroTS is at its pre-set sealing temperature



DID YOU KNOW...

Vitl offers a range of foil and film microplate heat seals which are designed for sealing various plate formats; providing optimum protection against sample loss through evaporation making them ideal for long-term storage. The seals are colour coded for easy identification and the seals have a 'This way up' marking.



we deliver
you discover

media preparation



brands
INTEGRA

FAST AND SAFE MEDIA PREPARATION BY INTEGRA

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.

MEDIACLAVE

Media sterilizer.

FEATURES AND BENEFITS

- Allows the rapid and gentle sterilisation of 1 - 10L culture medium. MediClave is also available for bigger volumes of 30L
- Precise controlling and monitoring of process parameters during sterilisation process guarantee media of constant quality
- Intuitive multilingual user interface
- Powerful bi-directional stirrer to guarantee homogeneous media
- Flow heater system for fast and gentle media preparation
- Can be quickly and conveniently connected to the dispensing tubing of the automated Petri dish filler MediaJet



MEDIA PREPARATION INTEGRA

MEDIAJET

Petri dish filler.

FEATURES AND BENEFITS

- Offers unique flexibility to fill Petri dishes as well as test tubes of various sizes
- Controlled dish guidance for reliable walk-away operation
- Processing of various dish diameters (Ø90, 60 or 35mm) and dish heights
- Available with a carousel capacity of 360 or 540 dishes
- Equipped with UV lamp, the filling chamber is kept free from contamination
- Has a built in 'Agar Spread Function' which ensures a homogenous distribution and an even surface of the agar
- With intuitive interface and self-explanatory system



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 a constant quality.

CELLROLL & CELLSPIN

Optimised cell culture.

FEATURES AND BENEFITS

- Allows the user to easily scale-up production depending on the needs: one motor unit can control between one and eight bottle racks
- Moist resistant motor unit is available with rotation speeds of either 0,1-2 rpm or 2-6 rpm
- The speed of the Cellspin ranges from 5 to 75 rpm and can be adjusted in steps of 2.5 rpm (5-40 rpm) or in steps of 5 rpm (40-75 rpm) The spinner bottles can contain volumes from 100 to 1000ml
- Included with an alarm system in case of power failure or accidental disconnection
- Corrosion free and sturdy construction



CELL
CULTIVATION
PFEIFFER

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
- Less consumption of supplements like serum, therefore reducing costs
- The bioreactor is separated by means of a 10kDa semi-permeable membrane
- Membrane allows a continuous diffusion of nutrients into the cell compartment with a current removal of any inhibitory waste product
- Optimal oxygen supply and control of carbon dioxide levels is ensured by the silicone membrane



we deliver
you discover

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 HELP?

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 four easy ways to contact us.



+31 (0)36 549 1010



INFO@NBSSCIENTIFIC.NL



NBSSCIENTIFIC.NL

CORPORATE SOCIAL RESPONSIBILITY

Our program reflects our commitment to a better world.

At the core business of NBS Scientific, Corporate Social Responsibility (CSR) plays an important role. Our CSR program focusses on three fundamental elements: the well-being of our employees (People), sustainability (Planet) and social commitment (Profit). We pursue ethical relationships with our employees, customers and suppliers, participate in efforts that promote a better, more sustainable world and contribute to local and national organizations that advocate for the health and welfare of animals and human beings. Listed below are the initiatives we've implemented in our company. This is also outlined in our quality management system that is certified to ISO 9001-2015.



WELL-BEING OF OUR EMPLOYEES

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

- Make sure employees use their vacation days to keep an optimum work-life balance
- Regular activities to keep up the team spirit
- Create an open and informal atmosphere to stimulate new ideas
- Offer trainings and courses to develop talents further



SUSTAINABILITY

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

- Keep sustainability in our mind with every decision that we make
- Work with suppliers that have the same focus on sustainability
- Offer products to customers that promote sustainability (e.g. refills)
- The office runs completely on green energy
- Reduce energy usage by adapting the office light plan
- Focus on digital communication instead of print (if so, recycled paper is used)
- Our sales managers drive cars with low CO2 emission (A-label)



SOCIAL COMMITMENT

This is how we are socially involved.

- Support several local and national charities, such as the Dutch Cancer Fund and Alpe D'HuZes
- Garden maintenance is done by 'Concern voor Werk', a local initiative that helps people get back to work
- Offer work placements to students as part of their studies



OUR BRANDS

Learn more about the brands we love to work with.



AFYS3G is a Dutch company committed to improving laboratory processes by developing bench-top equipment that represents the 3Goals for which AFYS3G was founded; enhance performance, empower integration and ensure compatibility.



Basque Engineering and Science delivers off the shelf and custom automated frozen aliquotting solutions to the scientific community to preserve sample integrity, increase sample utilization and support major R&D initiatives.



CAPP is a Danish company that is specialized in liquid handling products (pipettes and pipet tips). The product range of CAPP also contains laboratory consumables and benchtop equipment. CAPP lab equipment is outstanding in terms of ergonomics, design and functionality.



Geneeye is a manufacturing company who specializes in the highest quality laboratory consumables, reagents and devices for scientists. Geneeye is passionate about innovation and is constantly searching for new products and solutions for the customer.



GenTegra is an American company that manufactures stabilization products to protect biological samples during transportation and long-term sample storage. GenTegra's products help customers to collect, transport, and/or store RNA and DNA samples at ambient temperatures.



Integra is a company which is committed to create innovative solutions that meet the needs of customers in research, diagnostics and quality control within the Life Science industry and the medical industry. Integra is certified according to the standards of ISO 9001.



IVUS is a Danish company, whose goal is to develop affordable and high quality consumables for laboratories and clinical sampling. They strive to deliver unique laboratory results to improve the lives of patients and people working in health care, education and research.



Micronic, based in the Netherlands and the US, manufactures innovative sample storage and preservation products for research laboratories in the life sciences industry. These products include sample storage tubes, racks, caps, barcode readers, and automated lab equipment.



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 electrical engineering GmbH is a German company which has been in the business for over 20 years with automation and finding customized solutions. With the CELLROLL and CELLSPIN product line they are focusing their activities on laboratory technology & biotechnology.



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.



SPL Guard develops and produces lab equipment that can be used for the controlled preparation of biological samples prior to sample handling or sample storage in ultra-low temperatures.



Viti designs, manufactures and sells high quality laboratory instruments to compete with market leaders at an affordable price with unrivalled functionality, usability and style. This range includes the world's best-selling microplate heat sealer – The VTS and its compact counterpart the MicroTS.

EVENTS, TRADE SHOWS & WEBINARS

Come meet our team or get a live demonstration.

Throughout the year NBS Scientific has different stands on the most represented trade shows & exhibitions of the Life Science market. We aim to show our latest product innovations and give live demonstrations of how our products can enhance your laboratory environment.

Next to this we host several webinars and online demonstrations of our products and interesting topics during the year.

Wish to know more about our upcoming events?

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



SOCIAL MEDIA & NEWSLETTER

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



LINKED-IN

[Linkedin.com/company/nbs-scientific-nl](https://www.linkedin.com/company/nbs-scientific-nl)



TWITTER

[Twitter.com/nbsscientificnl](https://twitter.com/nbsscientificnl)



SUBSCRIBE

To our newsletter

SHOP
ONLINE
WITH US
TODAY!

we deliver you discover

visit us at www.nbsscientific.nl



📍 Meerpaalweg 6,
1332 BB Almere
☎ +31 (0)36 549 1010

✉ info@nbsscientific.nl
🌐 nbsscientific.nl