

# 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 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 highquality 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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# () sample collection



## brands **GenTegra**

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#### 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 temprature for a limit time. The collection of Novitain products will allow you to temporary store your valuable samples after they have been collected.



## **GENTEGRA DNA**

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

#### Gen*Tegra*

STABILITY REAGENTS



#### 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 hydroscopic 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 GENPLATES

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



#### FEATURES AND BENEFITS

- <sup>o</sup> GenPlates utilize GenSaver paper with GenTegra's Active Chemical Protection technology
- <sup>o</sup> 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** 



**Sample Purification** > RNAssure



Shipment & Storage > GenTegraRNA

## FEATURES AND BENEFITS

- Provides significantly better protection for the RNA in tissues using RIN values as a measure of RNA quality
- $^\circ~$  Consistently yields RNA with RIN scores that are  $\geq$  1 better than RNAlater.
- RIN values ≥ 7 for most tissues
- <sup>o</sup> Best protection at 7 and 14 days at room temprature

GENTEGRA RNADVANTAGE

Better protection for RNA in fresh tissue samples.

- No rtPCR or library prep inhibition
- Ensures reliable RNAseq data
- Makes field collection of tissue samples easier

## 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 purification process or environmental contamination
- Outilizes GenTegra's proven, patented Active Chemical Protection™ (ACP) chemistry
- $^\circ~$  Can protect RNA for at least 3 days at room temperature (RT) and 2 weeks at 4  $^\circ\text{C}$

## 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



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GenTegra

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CAPPING SYSTEM

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#### FEATURES AND BENEFITS

- Positions 50 sample collection tubes in such a way that it is exactly compatible with the Novitain Capcluster-50
- <sup>o</sup> 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
- <sup>o</sup> 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 & 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

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# Iliquid handling





#### 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 mechanical pipettes, electronic pipettes and motorized pipette controllers. To complete our pipette solution we offer a range of pipette tips: filtered, racked, individually wrapped or in bulk. We also provide robotic tips, which are custom made for the most common liquid handler brands on the market. Each individual tip is guaranteed to be made with the highest quality in mind. To process liquids in the lab, we offer a variety of vacuum and peristaltic pumps.

## CAPP BRAVO PIPETTE

Combines lightweight ergonomic design with the latest innovations in pipetting.

#### FEATURES AND BENEFITS

- Available as 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 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

## CAPP AER096 PIPETTE

The multichannel pipette that 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 which ensures extremely easy tip mounting and ejection
- Lower part of each pipette is slightly bent in order 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 AERO384 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 reservoir and deep well plates into 384 well plates
- Lightweight ergonomic construction and enabling consistent and reliable liquid transfer
- Recommend to use with Capp ExpellPlus pipette tips





MECHANICAL

**NDD** 

NOW WITH

ECO-FRIENLDY

PACKAGING

pipette

ritter

MEDICAL

## CAPP ECO PIPETTE

0.5-10 μι

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 which are truly accurate and truly robust
- With each critical component 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 blowout
- Featuring an exchangeable counter mechanism which 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: 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

## 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

## CAPP CAPPMAESTRO PIPETTE

Become a maestro in pipetting skills.

#### FEATURES AND BENEFITS

- Optimize your serial pipetting work with advanced functions such as multi dispensin, 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



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PIPETTE CONTROLLERS

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## CAPP PIPETTE CONTROLLER

Lightweight yet powerful pipette controller.

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#### FEATURES AND BENEFITS

- Light and fatigue free: weighs only 167g
- Including a lithium battery which enables you up to 12 hours of continuous use
- Can be used while charging and has a patented Electronic Brake System
- Powerful instrument, filling a 50mL pipette in less than 10 seconds
- Fully adjustable speed-setting as well as gravity delivery and blow-out dispensing modes are available

## INTEGRA PIPETBOY PRO

Accuracy, speed and ergonomic design are the essential characteristics.

#### FEATURES AND BENEFITS

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- Works with all serological pipettes of 1-100 ml.
  - Designed for error-free and comfortable pipetting and is lightweight: 190 grams
  - Integrated White LED light provides an optimal illumination of the area around the pipette
  - Available in the colours Blue, Green, Orange, Pink and White
  - Maximum Pipetting speed of 12ml/s

#### **INTEGRA PIPETBOY ACU2** *For efficient pipetting.*

#### FEATURES AND BENEFITS

- Light and fatigue free: weighs only 167g
- Including a lithium battery which enables you up to 12 hours of continuous use
- Can be used while charging
- Powerful instrument, filling a 50mL pipette in less than 10 seconds
- Available in the colours: White, Transparent, Green, Red, Blue, Purple, Pink Sunrise, Ocean Dream, Agave
- Autoclavable sterile module, easy to replace filter

## 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

#### 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



PIPE



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PIPETTE TIPS

RELOAD

AVAILABLE

## CAPP PIPETTE TIPS

For various applications and dosages.

## CIPP 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 singe 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
- Smooth inner surface minimizes sample binding

#### PACKAGED IN CARDBOARD BOXES

• Boxes are recyable



- Reduces the pollution of the environment
- <sup>o</sup> 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 '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 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



PIPE



AVAILABLE AS CLEAR AND CONDUCTIVE TIPS

## 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.

#### PERISTALTIC PUMPS

**INTEGR** 

## 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 areosols
- Optional level sensor detects when the bottle is full
- Noise of the integrated pump is below 65dB

#### 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

#### **INTEGRA PERISTALTIC PUMP DOSE-IT** *The cleanest and simplest type pump.*

#### 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

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CAN BE MOVED EASILY!

# Sample preparation









#### 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. 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

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.



CENTRIFUGES

**C**/PP

SHAKERS & MIXERS

## 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



PLATFORM SHAKER

## CAPP BLOOD MIXER ROLLERS

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

#### CRR-08X 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 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 it's 3mm orbital motion movement
- Equipped with a brushless DC motor
- Maintenance free
- Ideal for extended runs
- Programable 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



SHAKERS & MIXERS

NPP

SHAKERS & MIXERS

## 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
- <sup>o</sup> 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

#### 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

Vitl @

#### 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 highquality 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 CENTRIGUFE 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 in the temperature of 121°C for 20 minute
- The leak proof 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
- Contain 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



CENTRIFUGE TUBES

NPP



#### BASQUE CXT353 FROZEN SAMPLE ALIQUOTTER For preserving sample quality and streamlining sample processing.



#### FEATURES AND BENEFITS

- 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 10μl to 250μl

#### BASQUE FROZEN TISSUE XTRACTOR A hand-held frozen tissue extractor.



#### FEATURES AND BENEFITS

- Simple and easy design for extracting out small aliquots of tissue
- Provides workflow options for smaller labs
- Supports highest sample quality and integrity without the THAW cycle
- Preserves frozen tissue without contamination, allowing for increase sample utilization
- Various tissue types and sizes can be cored and is able to target specific tissue sections
- Avoids manual slicing of tissue
- Extracts out small volume aliquots up to 40 mgs for downstream analysis

## CAPP INCUBATOR

Benchtop incubators, ideal for smaller laboratory setups.

CAN BE

FASILY!

CAPP wash 8

#### 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



To wash your microwells as a part of the ELISA testing process.

#### 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



CAPP 37.0 000





THAWING STATIONS

## SPL GUARD FLORIDA

To defrost multiple sample racks in a controlled manner.



#### FEATURES AND BENEFITS

- ° Controllably thaws samples in a multi rack capacity
- Can be used as a stand-alone system or integrated into a robotic workstation like a liquid handler
- Thawing up to 10 racks in just 9 minutes
- Thaws in a consistent rate to guarantee the quality of the sample remains the same
- When the SPL Guard Florida is fully loaded with racks, it can thaw samples 60% faster than any other instrument on the market
- Thaws all samples evenly and reduces uneven thawing to less than 20% per rack
- Comes with several adapters where the samples can be placed in for the thawing of the samples

## SPL GUARD ARIZONA

Unique thawing station for uniform and fast thawing of samples





#### FEATURES AND BENEFITS

- Thaws a complete rack from -80°C to 5°C in only 6 minutes
- Stops thawing when the desired temperature is reached and confirms this with a beeping sound
- Is compatible with a wide range of SBS-format racks
- A consistent and reproducible solution for a variety of samples and reagents
- Compact and lightweight: 445 x 270 x 148 mm and 9 kg

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# sample analysis



brands Vitl @



# 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 the analyzing process of samples. These products are made of highly transparent and high quality plastics. These products are compatible with automated liquid handlers, thermal cyclers or magnetic particle processors.

## VITL LUMINOMETER

Optimized for biological and chemical luminescence reactions.

#### LU-MINI

- Compact and lightweight benchtop luminometer
- Accepts a single tube/vial
- Compatble 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



LUMINOMETERS

FREE SOFTWARE FOR PC





## DEEPWELL

ritter

MEDICAL

## RITTER DEEPWELL PLATES

For cleaning, mixing or centrifugation of samples.

SUITABLE FOR: KINGFISHER™ 96 FLEX MAGNETIC PARTICLE PROCESSOD



#### **RIPLATE MAGNETIC**

- Specially designed for application in the Kingfisher<sup>™</sup> 96 Flex Magnetic Particle Processor, Qiagen: Bio Sprint 96 and the Kingfisher<sup>™</sup> Presto
- Riplate<sup>®</sup> 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 crosscontamination
- 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<sup>®</sup> 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.

## CAPP PCR PLATES, TUBES AND STRIPS

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

#### 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
- <sup>o</sup> 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%

(Q)PCR CONSUMABLES

**C**/PP

# 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 a laser, either manual or fully automatic. We also offer devices that can read laser-etched tube 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.



TUBE HANDLERS

MICRONIC

## MICRONIC 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 rackposition
- Separate safety stop ensures sample/product protection
- Compatible with standard ANSI/SLAS format racks
- Easy-to-operate and userfriendly interface
- Upload pick-lists via usbthumb 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
## MICRONIC TUBE HANDLERS

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

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











scientific



## MIRCRONIC SINGLE TUBE CODE READERS

For fast, accurate, and efficient sample identification.

### **Tube Reader DT510**

### **Tube Reader DT300**

FEATURES	S-YEAR WARRANTY!		
	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	
8	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

### SAMPLE STORAGL

bs scientific | 39

MICRONIC

## 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.

www.nbsscientific.nl

FULL RACK CODE READERS

## MICRONIC FULL RACK CODE READERS

For fast, accurate, and efficient sample identification.



## 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





The Micronic DR700 and DR505 scanners are designed with an passive antifrost system that can read racks filled with 2D barcoded tubes straight from the freezer. The passive 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. The DR710 has an active anti-frost system, drawing in ambient air to remove condensation.

# 🚺 sample storage





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

In our sample storage portfolio you can find the innovative 2D coded sample storage tubes by Micronic, with external and internal threads. You can also find Micronic Hybrid-coded tubes to ensure the ultimate traceability of your samples. Fitting on the tubes are a wide variety of caps and the tubes can also be stored in SBS-format racks. To cap or decap our sample storage tubes we offer different equipment by Micronic and AFYS3G. Rather store something for a short period? Then you are also able to seal the tubes or plates with a heat sealer by Vitl.

## MICRONIC SAMPLE STORAGE TUBES

Store your valauble samples and aliqouts for longer periods.

### 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 treate
- No measurable amount of extractables from material leach into samples
- Endotoxin level of labware limited to an acceptable minimum (<0.01 EU/ml)

### INTERNAL THREAD

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

### CAPS FOR INTERNAL THREAD TUBES



Screw Caps Low Profile; lower caps to save extra



until -80°C

CAPS FOR EXTERNAL THREAD TUBES

• Complies with highest injection molding standards

and is free from RNase and DNase contamination Complies with Class 1 CE label (EU directive 98/79/EC

is the leading standard). Material Safety Data Sheets

Materials and auxiliary agents used to manufacture

labware are FDA compliant and selected based on

EXTERNAL THREAD

of the tube

technique

Has a thread on the outside of the

tube, maximizing the working volume

• Supplied with or without 2D code on

the bottom, which has a black code

surface that can't be seperated from

Has a Hybrid version with multiple

white codeable fields on the tube

tube due to a unique injection molding

available for all products

the highest purity levels

Screw Caps; the regular screw caps for longterm 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.

automation



freezers

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

Inner U-bottom for maximum working volume.







\*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 to use one hand to pick the tube.



## MICRONIC HYBRID TUBE CHART

Externally threaded tubes with 4 coding concepts.





mm

### 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



### 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 extra strong grip
- Newly designed lead-in on top of the Screw Cap ensures a better tube placement
- Comes in 96-well size

## DID YOU KNOW?

We also offer Micronic Cap Carriers for all types of caps. You are even able to order our caps pre-racked in a cap carrier. You can use the cap carrier in (semi-)automated capping systems to easily transfer them onto the destination rack. We offer these in 96-well, 48-well and 24-well format.





\*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

UBES PPLICATION

# SCREW CAPS MICRONIC SCREW CAPS FOR TUBES WITH

Secure seal for ultra-low temperature storage.



### FEATURES AND BENEFITS

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

### MICRONIC SCREW CAPS ULTRA The ultimate sealing cap for internal tubes.



### FEATURES AND BENEFITS

- 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

## 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 12 different colors
- Compatible with 96-format tubes
- Automation friendly

## MICRONIC 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

### TPE CAPMATS

- Capmats cap 96 tubes at once and are arranged on a nonremovable 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.



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.				
	138-well HD rack	96-well ULT rack	48-well ULT rack	24-well ULT rack	
IDEAL PROPERTIES FOR ULTRA LOW TEMPERATURE STORAGE		AND		ALLER AND	
Tube Compatibility	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	
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	
	GREEN CHOICE				
MICRONIC SPECIAL RACKS Designed with distinct features.					
	Bo	Bottom ID Rack		ComoRack-96	
	All and and		micanor		
Specialty		With additional bottom-ID for faster and more acurate traceability		Extra sturdy rack designed with unique 'feet'	
Tube Compatibili	ty Compatible with tube	Compatible with tubes from 0.30 ml to 1.40 ml in size		Compatible with tubes from 1.40 round bottom tubes	
Rack Format	96-	96-well format		12 rows of 8 tubes (96 tubes total)	

Polycarbonate

127,8 mm x 85,5 mm

Yes

Vapor Phase LN2 to +140°C

Polycarbonate

127,8 mm x 85,5 mm

Yes

Vapor Phase LN2 to +140°C

Material

Dimensions

Solvents

perature

**Resistant to Chemical** 

Minimum Storage Tem-

## MICRONIC 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.



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.

### STARTER PACKS

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CRYO TUBES

## CAPP EXPELL CRYOTUBES

With the patented QuickSeal<sup>™</sup> 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 CRYOBOXES

Store your Expell cryotubes in 10x10 cryoboxes.

### FEATURES AND BENEFITS

- Designed for the storage of CAPP Expell cryotubes
- Also compatible with cryotubes from various manufacturers
- Made of very strong polypropylene, suitable for freezing at -90 °C and autoclaving at +121 °C (20 min.)
- With numerical coding on lid and bottom of each box
- The edges of each box are bevelled to ensure correct and proper positioning of the lid

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

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MANUAL (DE)CAPPERS





### 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.

### MICRONIC 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

### 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

## AFYS3G AUTOMATIC SCREW CAP RECAPPER

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



MICRONIC

MMICRONIC

MICRONIC

[**afys**]3G

AUTOMATIC (DE)CAPPERS

MICRONIC

WINNING

DESIGNS!

## 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 24well 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)</li>



## 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.



nDS scientific



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. Also want matching high quality Petri Dishes? Then we recommend the Capp Petri Dishes.

### INTEGRA 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
- Powerfull 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

### 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

## DID YOU KNOW?

We also offer the Capp Petri Dishes that work with the Integra MediaJet and MediaClave! The CAPP Petri plates are designed from the ground up to provide the best microbial culture experience. They are manufactured from premium grade polystyrene for industry-leading reliability and performance in a broad range of applications.





INTEGRA



## scientific

# 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 Optimised 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 seperatly)
- 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 seperatly
- 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

## CELLSPIN

Optimised cell culture.

### FEATURES AND BENEFITS

- Shaker for cell cultures in flasks with a robust and corrosion resistant design
- Flasks have a culture volumes from 100 to 1000 ml
- Speed range 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 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 current removal of any inhibitory waste product

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CULTIVATION







## scientific





### **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.



+31 (0)36 549 1010



INFO@NBSSCIENTIFIC.NL



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## MICRONIC SERVICE CONTRACTS

Ranging from visits to preventive maintenance (PM) on Micronic devices.

### EQUIPMENT

We offer service to several Micronic devices

• CS500 Recapper series & CS700 Recapper series.

### SERVICE LEVELS

### We offer several levels of service depending on your needs

- Level 1A: PM where equipment will get send to the workshop (CS500 + CS700)
- Level 1B: PM on location (CS700)
- Level 2: One PM inspection on location and one emergency visit (CS700)
- Level 3: One PM inspection on location, two emergency visits and Micronic Software Updates (CS700)

## INTEGRA SERVICE CONTRACTS

Ranging from visits to preventive maintenance on Integra devices.

### EQUIPMENT

We offer service to several Integra devices

MediaClave, MediaClave 9, MediaJet

### SERVICE LEVELS

We offer several levels of service depending on your needs

- Level 1: Preventive Service
- Level 2: Preventive Service Plus
- Level 3: Full Service Contracts

## BASQUE SERVICE CONTRACTS

Preventive maintenance on Basque devices.

### EQUIPMENT

We offer service to a Basque device

CXT 353 Frozen Sample Aliqouter

### SERVICE LEVELS

### We offer one level of service

• Level 1: Preventive Maintenance







basque





## SUSTAINABILITY PROGRAM

At NBS Scientific we value sustainable solutions at heart.



We strive to be as sustainable as possible. When it comes to purchasing decisions regarding our packaging materials, product portfolio or goodies and gifts, as well as our ways of traveling. When certain sustainable decisions can't be made (i.e. decisions that would impact the quality of our products and services), we think of ways to target these aspects, like becoming CO2 neutral.

### OUR ROAD TO BECOMING CO<sup>2</sup> NEUTRAL In 2023 we became CO2 neutral by supporting forest projects of Trees For All.

To offset our unavoidable CO2 emission, we now are proud owner of a CO2 neutral certificate issued by Trees For All. We made a donation for every tonne of CO2 emitted. Trees For All ensures that these emissions are recorded in their certified forestry projects. We choose to support the reforestation of the Bolivian forests.

### **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.*

- <sup>o</sup> Keep sustainability in our mind with every decision that we make
- Work with suppliers that have the same focus on sustainability
- <sup>o</sup> 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 employees drive cars with low CO2 emission (A-label)



### SOCIAL COMMITMENT This is how we are socially involved.

- Support several national charities, like Alpe d'HuZes, Adopteer Regenwoud (Adopt Rain Forest), and Trees For All, focussing on donating to help regrow forests.
- Support the local charity Muziekids, which supports children that are hospitalized by giving them an opportunity to play musical instruments and distract them from any pain they might have.
- Offer work placements or comakerships to students as part of their studies



## OUR BRANDS

port major R&D initiatives.

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 sup-





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 ergonomy, design and functionality.

GenTegra is an American company that manufactures stabilization products to protect biological Gen*Tegra* 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.

industry. Integra is certified according to the standards of ISO 9001.

format Grid Rack and caps in a strip, mat or cluster format.

storage tubes, racks, caps, barcode readers, and automated lab equipment.

uct line they are focusing their activities on laboratory technology & biotechnology.

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

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

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

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 prod-

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













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.



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

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