



# Spotlight on our Lab Products


2024 Edition

Simplifying Progress

**SARTORIUS**

# The Latest Solutions for Your Lab

Working in a scientific lab environment means you face growing challenges every day. At Sartorius, our daily mission is to help you enhance lab efficiency. That's why we continuously develop innovative products and services to facilitate and accelerate your workflows. Find out how you will benefit from our latest lab solutions and our longstanding expertise.

 Find out more  
For more information, please visit  
[www.sartorius.com](http://www.sartorius.com)



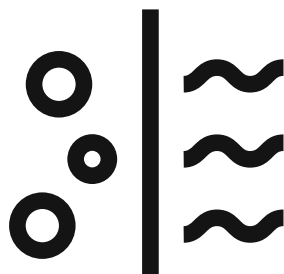
Lab Weighing



Pipetting



Lab Water



Lab Filtration



Microbiological Analysis



Service

## Did you know?

Sartorius is committed to the long-term goal of fully decarbonizing its business activities by 2045. The company plans to achieve climate neutrality by continuously decarbonizing along the value chain and offsetting unavoidable residual emissions in line with the Paris Climate Agreement.

**We aim to fully decarbonize our business activities by 2045.**

2045: Complete  
decarbonization of  
business activities



Until 2030: Reduce CO<sub>2</sub>eq  
Emission Intensity by ~10%  
p.a. compared to 2019



## Commitment to Science-Based Targets

In 2023, Sartorius committed to supplement its medium-term climate targets up to 2030 by targets approved by the Science Based Targets initiative.

## My Sartorius - Your Entry Point for Sartorius Digital Ecosystem.

Your personalized dashboard will further provide you a tailored overview on all contents you may need. Interactive widgets allow you to access those Sartorius services relevant to you.

- Track your latest orders
- Access product certificates
- Download your purchased software
- Seamlessly transition to our eShop
- Media Center Exclusive for Partners
- Configure your new balance and request a quote
- Further apps to come soon





## Entris® II Basic Balance

### Best Value in Its Class for Basic Weighing Tasks

No matter what you're weighing, our Entris® II balance is always the right choice. Our Entris® II Essential line is the only balance in its class offering isoCAL, LED touch technology, and 12 built-in applications at a budget price. With over 40 models from which to choose, you will surely find a model to meet your basic weighing needs.

#### Features and Benefits

- High chemical resistance – ensured using parts made from hard-wearing Polybutylene terephthalate (PBT), stainless steel and glass
- isoCAL – automatic internal calibration and adjustment
- Fastest stabilization time in its class
- Real „PC-direct“ feature
- 12 built-in applications with GLP | GMP compliant printout | data output

## Entris® II Advanced Balance

### Every Sartorius balance offers quality, value, and consistency

Our Entris® II Advanced line gives you additional value to the Entris® II portfolio, with over 38 models offering benefits such as real-time level support, integrated protection systems, CalAuditTrail, a graphic touch display and 13 built-in application programs.

#### Features and Benefits

- Simplifies balance leveling with built-in real-time level support
- Increases reliability of weighing results using integrated protection systems
- Controlled access to balance settings with user management
- Gapless documentation thanks to CalAuditTrail
- Even easier usability with graphic touch display
- Provides gapless documentation with automatic documentation of calibration and levelling processes, and date and time stamp
- One additional built-in application: Pipette Smart Test



## Cubis® II Premium Balance

### Data Integrity and Connectivity

Need to comply with 21CFR11? Need the fastest stability on the market? Cubis® II – Your Balance, Your Way.

#### Features and Benefits

- The world's highest resolution in a micro weighing instrument with up to 60 million divisions
- Integrated Software - no need for additional computer
- Full end-to-end data integrity. 21 CFR Part 11 compliance, integrated audit-trail, state-of-the-art user management
- Error-free operation. Individual QApp workflows, motorized auto-leveling\*
- Integrated climate sensors
- Individual sample holders
- Outstanding service support. Integrated status center, integrated service functions preventive maintenance on accredited standards

\* For all models up to a maximum capacity of 8.2 kg



## New Cubis® II Ultra-High Resolution Range

- Ultra-high resolution with up to 61 million weighing steps (digits)
- End-to-end data integrity. 21 CFR Part 11 compliance, integrated audit-trail, state-of-the-art user management
- Error-free operation. Individual QApp workflows, motorized auto-leveling
- Allow upgrades for hardware features like automated draft shields or built-in ionizer
- Optional inner draft shield for best weighing performance







## Tacta® Mechanical Pipette

### Features & Benefits

- Comfortable to hold due to the ergonomically designed handle
- Low pipetting and tip ejection forces that reduce the risk of Work Related Upper Limb Disorder (WRULD)
- Controlled and smooth tip ejection with the new Sartorius Optiject technology
- Calibration adjustment to provide accurate results for various liquid types
- Easy to clean, with only three parts to disassemble



## Sartorius Pipetting App

A must-have for all Picus® 2 pipette users, the Sartorius Pipetting app is your handy companion for sample preparation workflows and pipette management. To stay up to date, use the Pipetting app to update your Picus® 2 pipettes with the latest features. Whether you are a seasoned scientist or a novice in the field, this app offers accuracy and reproducibility for your liquid handling workflows.

The app features an ever-growing database of configurable protocols that can be adapted according to your specific application. The app provides step-by-step guidance for various workflows, and when used with Picus® 2 pipettes, it automatically selects the correct settings. Complete your workflow using Picus® 2 pipettes, other electronic pipettes, or any mechanical pipette and export the logfile for your records.

Visit [www.sartorius.com](http://www.sartorius.com) for updated list of workflows.

### Volume Adjustment

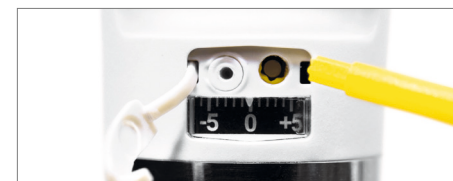
Use the Sartorius Optilock feature to prevent accidental volume changes during pipetting. Either hold down the volume lock button with one hand and adjust the volume with the other, then release to lock, or with just one hand, slide the volume lock up, adjust the volume and slide down to lock again. The choice is in your hands.

### Large, Clear Display

The large, easy-to-read display helps you to see all four digits of the set volume from a distance without straining your eyes. The volume is easy to read even when the pipette is angled – eliminating the need to turn your head into an uncomfortable position.

### Calibration Adjustment

Tacta® is very easy to adjust, for various types of liquids, using a simple adjustment key. The adjustment scale shows the degree of adjustment. By noting this value for a specific liquid, you can return to that setting any time. Easy calibration adjustment ensures accurate results with a variety of liquids.



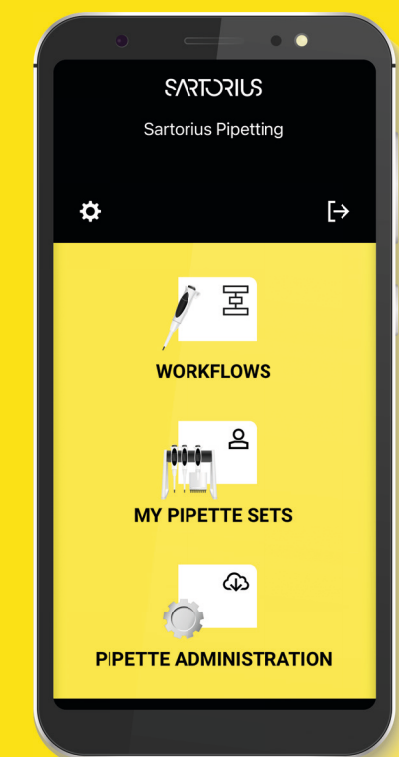
## New Picus® 2 Electronic Pipette

### The Most Sophisticated and Ergonomic Pipette Ever!

The Picus® 2 pipettes ensure reliable and repeatable pipetting results with unbeatable ergonomic design that is kind to your hand. Picus® 2 is the tool of choice for everybody from a student to experienced laboratory professional. It is as intuitive to use as a mechanical pipette and yet offers a broad range of options even for the most advanced users.

### Features and Benefits

- Highest level of ergonomics provided by the uniquely low weight, light electronic tip ejection and comfortable handle design
- Extensive range of pipetting modes reduces the needed pipetting steps and speeds up work
- Electronic brake and piston control system provide outstanding accuracy and repeatability of pipetting results, independent of the user
- Intuitive user interface with language options, enables ease of use
- Adjustment wheel offers extremely fast volume setting and menu navigation
- Optiload enables perfect tip sealing for accurate delivery from each channel



Sartorius Optifit® Tips and Safetyspace® Filter Tips are designed to fit perfectly Sartorius pipettes for maximum pipetting accuracy and reproducibility.

### Features

- Perfect and soft sealing with Sartorius pipettes
- Unique safety space between filter and sample
- Extremely even and durable surface in low retention tips
- Packing options for every lab and color-coding to match your pipette

### Benefits

- Ensures precise and repeatable results of your pipette
- Protect sample purity with Safetyspace® filter tips and purity certified Optifit® tips



Download the App:







## Arium® Comfort

### Space-saving Twin Technology

Arium® Comfort I is an easy to use system for producing ASTM Type 1 ultrapure water and Type 3 pure water. The system contains state-of-the-art reverse osmosis technology and a unique cartridge specifically for the production of the highest ultrapure water quality.

Compared to conventional water systems, the Arium® Comfort I optimizes water consumption using the integrated iJust control unit. This unique touch display with intuitive menu navigation ensures the utmost ease of use.

With the optionally integrated TOC monitor, its compact design, the flexible display and the SD card slot, the Arium® Comfort I is the ideal choice for demanding laboratory applications.

#### Features and Benefits

- Time-saving – Use of innovative bag technology, eliminates costly tank cleaning
- Optimized water consumption – automatic with iJust
- Easy to use – Display with touch function – and intuitive menu
- Quick – Favorites function with direct access for recurring volumes



## Arium® Mini

### Designed to deliver pure performance

Compact Arium® Mini laboratory water systems have been designed for Type 1 ultrapure water requirements of 10 liters per day and are ideal for use in preparation of buffers, media and samples, both in life sciences applications and in analytical laboratory procedures. A large, touch-activated screen and intuitive menu navigation ensure exceptionally easy operation. Regardless of your type of feed water available, use Arium® Mini or Arium® Mini plus featuring our unique bagtank technology or connect Arium® Mini essential directly to your deionized water supply line in the lab.

#### Features and Benefits

- Reliable: Delivers consistently high water quality for reliable and reproducible results
- Intuitive: Touch-activated color display with direct access to all important dispensing options
- Innovative: With unique bagtank technology, depending on the type of system; saves time-intensive tank cleaning
- Compact: Space-saving, with a width of only 28 cm



## Arium® Pro

### Tailored to Your Specific Requirements

As a reliable source of ultrapure water, the Arium® Pro series offers a flexible and modular system which, compared to conventional devices, demonstrates excellent added value. All systems meet and exceed the ASTM Type 1 water quality standards and ensure the best reproducible results in their class. Up to 2 liters of consistently high-quality ultrapure water with a conductivity of 0.055 µS/cm can be dispensed per minute. The ultrapure water is virtually microorganism-free when an Arium® SterilePlus final filter is used. The patented Sartorius technology, the SD card slot, the long service life and low maintenance requirement distinguish the Arium® Pro systems as an easy-to-use, economical and reliable Type 1 ultrapure water system.

#### Features and Benefits

- Modular – System selection specifically for your application
- Flexible – Perfect integration into any laboratory
- Easy to use – Display with touch function and intuitive menu
- Fast – Favorites function with direct access for recurring volumes

## Arium® Smart Station

#### Features and Benefits

- Connect up to 3 Smart Stations to your ultrapure water system for maximum flexibility
- Monitor all important parameter with the intuitive touch-activated color display including direct access functions
- Make use of the accurate volume dispense for precise buffer and sample preparation
- Ensure splash-free operation by adjusting the flow rate down to drop-by-drop

### Choose Your Smart Station

This stand combines a design that allows unlimited access to all display and dispensing functions including flexible and stepless height adjustment up to 70 cm to fill different size containers and beakers. Adapted to your needs, the Smart Station has two installation options: wallmounted or bench top.

The ergonomic design can be optimized for either right or left-hand operation





# Sartolab® RF | BT Vacuum Filtration Units

Sartolab® RF | BT vacuum filtration units are convenient filtration units designed for the filtration of volumes from 50 mL to 1 L. Sartolab® RF as a complete system includes a receiver flask or a conical tube to the filtration funnel. Sartolab® BT is a bottle top filter (filtration funnel) without a receiver flask, enabling customers to use their own receiver flasks and | or to expand the filtration capacity, depending on the particle load of the filtered liquid, by filling more than one receiver flask. All filtration units can be used as stand-alone system or with the Sartolab® Multistation, which allows parallel filtration of up to 6 samples.

## Expanded Portfolio



# Sartoclear® Dynamics Lab

## Quick and Efficient Harvest of Animal Cell Cultures

Sartoclear® Dynamics Lab ready-to-use-kits combine a filter aid with a vacuum filtration unit for clarification and sterile filtration in a single step of high density mammalian cell cultures.

### Features

- Cell culture filtration of up to 1L in single step
- Filtration unit with 0.22 µm PES membrane
- Vacuum filtration unit with filter aid included in single kit
- Sartoclear Dynamic Lab kits compatible with Sartolab® Multistation

### Benefits

- Fast result with high flow rates and single step filtration
- Efficient - No need of centrifugation step
- Hands-free parallel filtration with the Sartolab® Multistation without need of extra vacuum connector installation and time-consuming stabilization

## Expanded Portfolio



# Minisart® Syringe Filters

## No. 1 Choice for Your Filtration Applications

Innovative design coupled with the largest surface areas and fastest flow rates make Minisart® syringe filters the ideal choice for all your syringe filtration needs.

### Features

- Large effective filtration area (EFD) of 6.2 cm²
- Available in wide range of configurations
- Low adsorption
- Superior flow rate

### Benefits

- Fast simple, and economical
- Low hold-up volumes and maximal recoveries
- Low adsorption of analytes
- Maximum chemical compatibility
- Minimum extractables or leachables
- Bidirectional use possible
- 100% optical integrity test
- Membranes with a wide choice of pore sizes
- HPLC Certification available

## Expanded Portfolio



# Sartolab® P20 Pressure Filtration Devices

Sartolab® P20 filtration devices are ready-to-use filters for the clarification and sterile filtration of media and aqueous solutions in batches from 100 mL to 10 L. They are available either with 0.2 µm or 0.45 µm PES membranes, with or without a prefilter made of high purity quartz microfibers. An additional version containing the quartz microfiber prefilter only is also available for clarification purposes.





# Sterisart® Universal Pump

## Ergonomic and User-friendly Pump for Sterility Testing

The Sterisart® Universal pump is specially designed for sample and media transfer into the Sterisart NF systems. It is suitable for use in cleanrooms and isolators. The pump surface is made of high grade stainless steel and all critical parts can be easily cleaned, disinfected and autoclaved. In addition to the basic version, an upgraded version featuring a display, barcode scanner and user software is also available.

### Features and Benefits

- Closed System – No Ventilation
- Sophisticated & Modular Design
- With Peracetic acid, H<sub>2</sub>O<sub>2</sub> and acetic acid (2.5%); Quaternary ammonium; Formaldehyde and glutaraldehyde; Isopropyl alcohol, Ethanol 70%.
- Enhanced traceability and documentation of the used media and products
- Ergonomic Handling

# Sterisart® NF System

## Your Choice For Sterility Testing

The Sterisart® NF System is a unique and completely disposable technology based on the membrane filtration method used in conjunction with the Sterisart® Universal Pump which allows for the sample and media transfer within the Sterisart® NF System. Both work together to enable the sterility testing of pharmaceutical & medical device products in full compliance with international pharmacopeias.

### Features and Benefits

- Unique Septum for Aseptic Sampling
- Pre-installed color-coded tube clamps for easy and reliable assignment to each Sterisart® NF container
- Product/lot number identification for traceability of the product for documentation and security
- Modular design pump which is easy to decontaminate

# Microsart @filter & Microsart @media

## Advancing Membrane Transfer for Microbial Enumeration

Microsart® @filter combined with Microsart® @media offer a unique hands free membrane transfer technique minimizing the risk of contamination during your microbial enumeration test.

### Features and Benefits

- The innovative membrane transfer is a touchless transfer to the agar avoiding the introduction of air bubbles ensuring perfect membrane to agar contact
- The design of the Microsart® @filter base fits perfectly onto the Microsart® @media for reliable transfer of the membrane
- The reliable membrane transfer reduces handling and minimizes sources of contamination resulting in more reliable testing results

# MD8 Airport – Portable, Reliable, Fast

MD8 Airport is the air sampler for the pharmaceutical industry, biotechnology, food and beverage industry, for hospitals, and for measurements within the scope of environmental protection and occupational safety.

### Features and Benefits

- Battery operated and portable – so it can be used everywhere
- Battery power level clearly indicated so constant performance during sampling is guaranteed
- Ergonomically designed and easy to clean
- User friendly prompting with the option of four languages: English, French, German and Spanish
- Flexible options for customized use including adjustable air throughput and air flow rate
- Parameters last used are stored even after automatic shut-off
- Can be calibrated on-site
- Utilizes Gelatin Membrane Filter Method, allowing for reliable and accurate results



# Vivaspin® Centrifugal Concentrators

## Flexible and Efficient Protein Concentration

Vivaspin® products offer a comprehensive range of devices for fast protein concentration from 0.5 ml to 20 ml volume capacities. The large range of different molecular weight cut offs, from 2 kDa to 1000 kDa and 0.2µm offer a solution to every concentration need. Unique Vivaspin® 20 can be pressurized and centrifuged simultaneously for processing difficult samples.

### Features and Benefits

- Guaranteed sample recovery – no risk of concentrating to dryness
- Vertical membrane configuration
- Easy to find the perfect ultrafiltration device for your application due to large product selection. Widest volume capacity range and molecular weight cut off ranges
- **Important:** Centrisart 1 and Vivacell 100 have recently joined the Vivaspin family as Vivaspin® Filtrate and Vivaspin® 100, respectively

# Vivaflow® Crossflow Devices

## Plug and Play Crossflow Devices for Sample Concentration

Disposable and reusable tangential | crossflow cassettes for concentration, diafiltration and buffer exchange of biological samples and nanoparticles from 0.1 – 5L with MWCOs from 3 kDa to 1000 kDa. Available with PES and Hydrosart® ultrafiltration membranes, Vivaflow® 50, 50R and 200 are the only true laboratory crossflow cassettes on the market. They are simple to set up and can be operated with any laboratory pump with flow rates of 200 – 400 ml/min.

### Features and Benefits

- Allows selection of the optimal membrane based on filterability and chemical compatibility
- Plug and Play Systems
- Choice Between Disposable and Reusable Products
- Increases filtration area, thus enabling faster filtration and/or increasing total volume throughput



We Are Your Service Partner for All Sartorius Laboratory Products

### Laboratory Weighing

- Laboratory Balances
- Mass Comparators
- Moisture Analyzers
- Test Weights | Weight Sets

### Pipetting and Dispensing

- Mechanical Pipettes
- Electronical Pipettes
- Dispensers

### Industrial Microbiology

- Sterisart® – Sterility Testing
- MD8 – Air Monitoring

### Water Purification

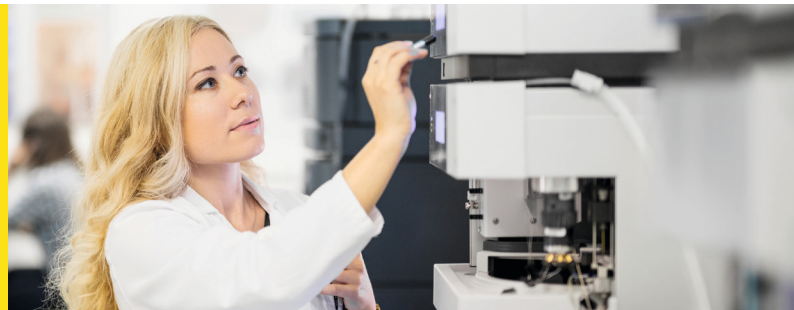
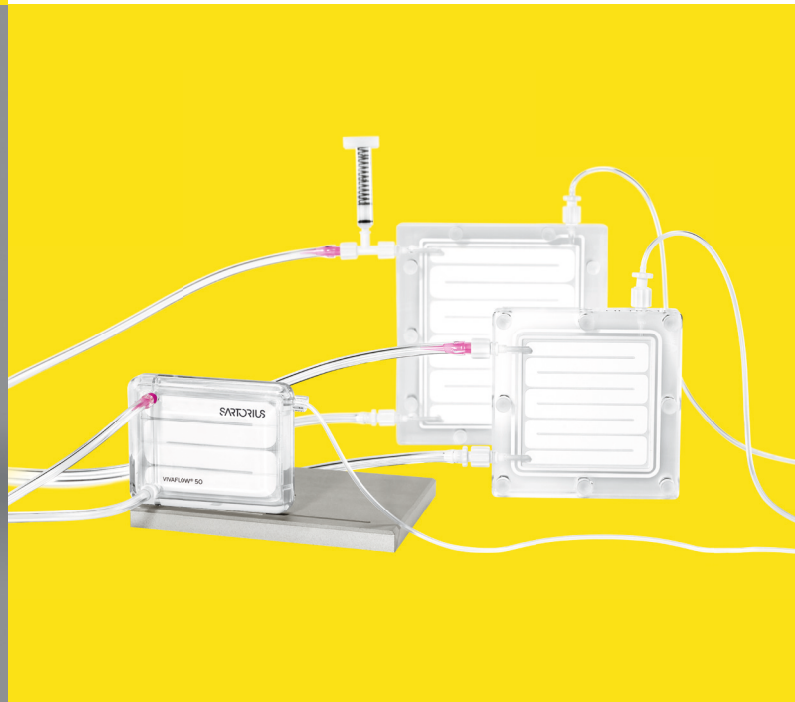
- Arium® Lab Water Systems

## Comprehensive Solutions for Your Application Areas

Leverage Sartorius expertise built on a foundation of long-standing knowledge and continual innovation. With customized solutions for your application area, we provide everything you need for success in the Life Science, Biopharmaceutical Manufacturing, Quality Control and Testing, and Applied Industries.

Move your work forward with our portfolio and exceed your goals for reliability, reproducibility, and rapid results!

## Our 2024 Spotlight Campaigns



### Quality Control

Sartorius specializes in delivering innovative QC instruments and consumables for microbiological, physicochemical, and biological analyses, supporting accurate and reliable results. With a focus on efficiency and compliance, Sartorius empowers laboratories worldwide to streamline their Quality Control (QC) processes and maintain the highest standards in product safety and potency.

### Cell Line Development

Everyday lab essential products play a critical foundational role in the success of cell line development and are invaluable to lab technicians and scientists. Basic tasks like pipetting, filtration and purification of small volumes can be time-consuming and tedious. Sartorius' lab essentials help streamline routine tasks and achieve more accurate results by increasing reproducibility of your results and avoiding contamination in your processes.



# Sales and Service Contacts

For further contacts, visit  
[sartorius.com](https://sartorius.com)

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