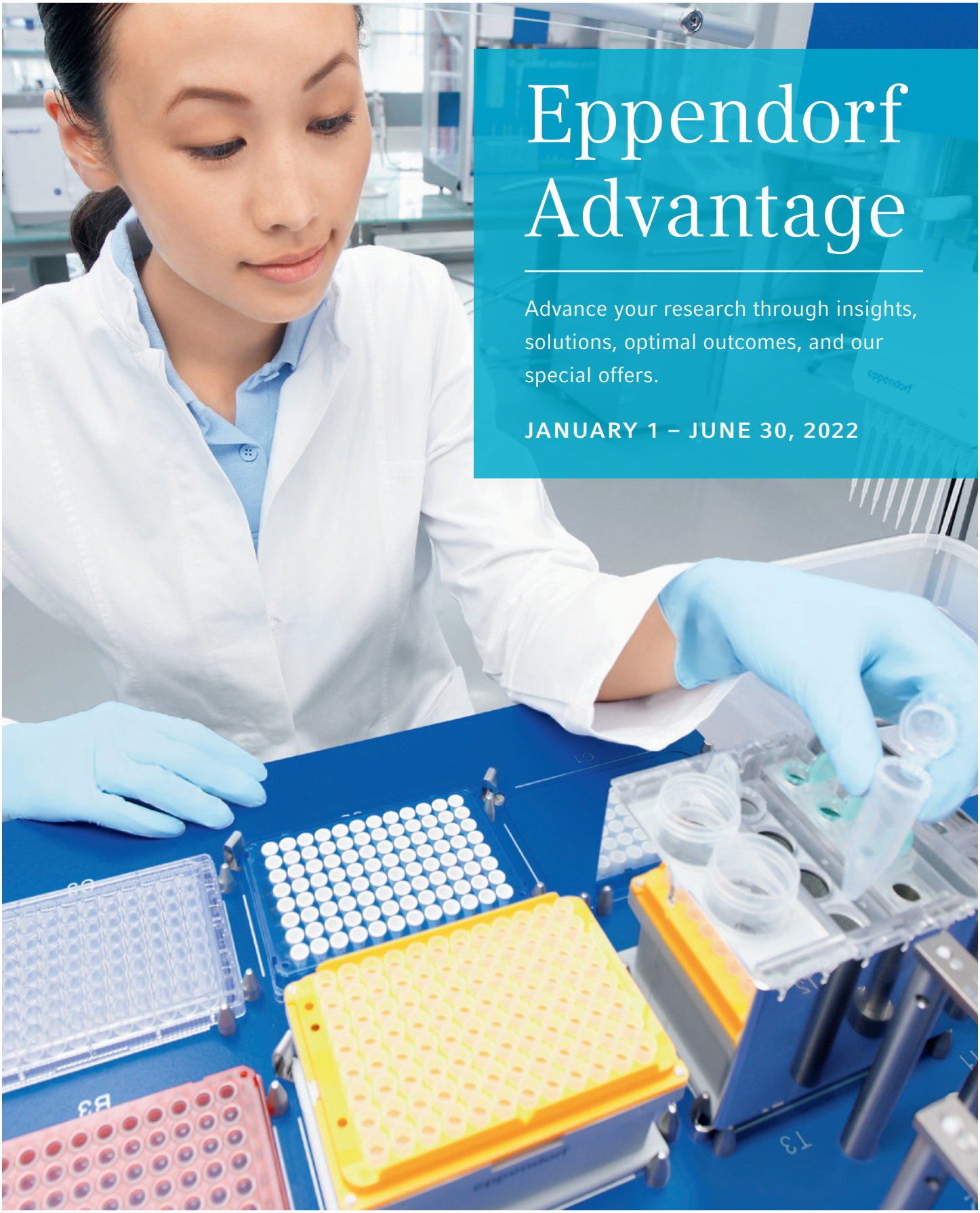
eppendorf

Eppendorf Advantage

Advance your research through insights, solutions, optimal outcomes, and our special offers.

JANUARY 1 – JUNE 30, 2022



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WHAT'S IN A NAME?

Advantage means putting you in a better position, and that's exactly what we want for you.

The work you do is more important now than ever before, and the samples you produce more precious. You have been able to rely on Eppendorf to help deliver accurate, reliable results, but we want to be more than your provider of consumables, instruments and services. We are also here to be your partner and resource center. Our bi-annual publication includes articles and promotional offers. We hope to help give you the Advantage to succeed in the lab!

Reach Your 100%–Your Success is Our Purpose

After 75 years, Eppendorf's mission is just as valid and relevant as it ever was: "Eppendorf contributes to improving human living conditions". We do so by supporting scientists all over the world to streamline processes, increase reproducibility, and ease compliance requirements to reduce the time-to-market. We understand the challenges to successfully bring a new drug to market.

Streamline Processes

Efficiency is as crucial as innovation to pharmaceutical research. It is important to maximize sample processing throughput and avoid instrument downtime due to breakdowns or disruptions. Our high-quality scalable products, digital solutions, and service support ensure that you get reliable results to speed up workflows, secure reproducibility, and accelerate the desired results.

Increase reproducibility

Reproducibility is critically important at every step of pharmaceutical research. Our goal is to ensure that you get reliable results with the required accuracy and reproducibility you need.

Ease compliance requirements

When it comes to aspects such as documentation, quality management, sustainability, calibration, or qualification, you want a reliable partner on your side. We embed compliance requirements and quality assurance into all our products and services.

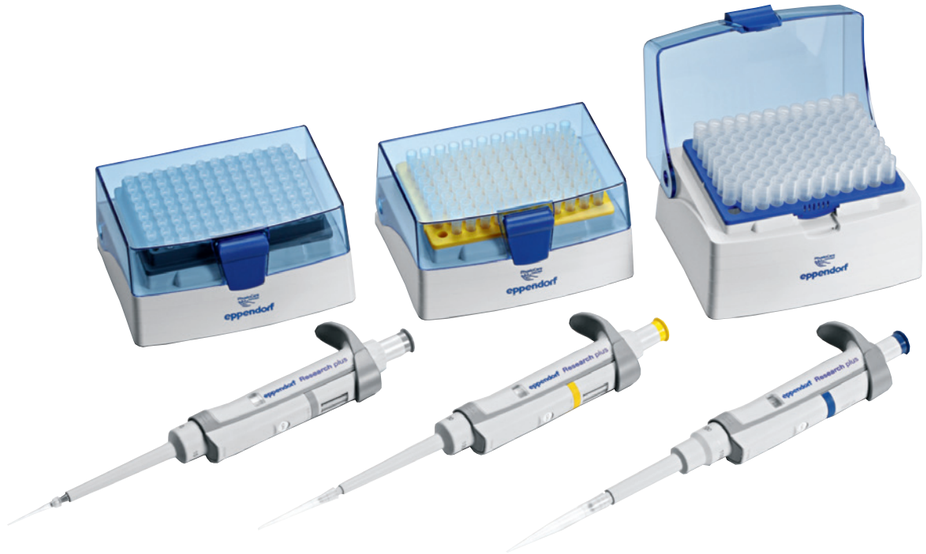
PHARMA RESEARCH

Pharma research is a lengthy and high-cost process. Accelerating the time to market is crucial for staying competitive. We offer our expertise to support you through every step in the pre-clinical phase. Let's work together to make our world a better place.

Learn more at www.eppendorf.com/pharma

DID YOU KNOW?

Monoclonal antibodies (mAbs) have become increasingly popular within the biopharmaceutical research market. Our comprehensive list of mAb equipment streamlines workflows while increasing efficiency and reducing costs. Our portfolio keeps efficient mAb production on track.



We All Want Accurate Pipetting

The ultra-light weight, air-cushioned Eppendorf Research® plus pipettes are some of the most advanced in the world. A temporary adjustment option allows for better accuracy when pipetting difficult liquids.

WHY YOU WILL LOVE IT

- Easily adjust to offset inaccuracies when pipetting various difficult liquids
- Reduce stress without sacrificing accuracy with low tip attachment and ejection force
- Feel the difference in weight, pipetting forces and tip attachment

ORDER TODAY

Get a 3-pack of pipettes in three volume range options.

- **$1,027** – Cat. No. 3123000900: Eppendorf Research® plus G 3-pack option 2 (10, 100, and 1,000 µL)
- **$1,027** – Cat. No. 3123000918: Eppendorf Research® plus G 3-pack option 2 (20, 200, and 1,000 µL)
- **$1,027** – Cat. No. 3123000926: Eppendorf Research® plus G 3-pack option 3 (1, 5, and 10 mL)

DID YOU KNOW?

Do you want to learn how to pipette the correct way?

Watch the video for a short step-by-step introduction into proper pipetting techniques

www.youtube.com/watch?v=QGX490kuKjg

You are Prepared for Your Day

Boost your pipetting skills and bring teamwork to a new level by switching to connected electronic pipettes and manage them with the VisioNize® pipette manager:

- Send your parameters like volumes to all your connected pipettes and be ready to run your protocols
- Receive guidance for challenging liquids such as viscous reagents
- Enable collaboration using features such as liquid type sharing
- Use predefined liquid types by Eppendorf or create your own

DID YOU KNOW?

Learn how VisioNize pipette manager can improve your pipetting for more reliable results!

Watch our video on VisioNize® pipette manager

www.youtube.com/watch?v=gLQ6rgZoMNg

Save on the Mastercycler®

VisioNize®

Save up to 42%

SAVE TODAY

Save up to 42% on the Mastercycler® nexus gradient which features a universal block for ultimate flexibility and gradient functionality for PCR optimization. With the Mastercycler X2e featuring a dual block, run PCR reactions in parallel for increased productivity and save up to 40%.

- **$4,995** – Cat. No. 2231000843: Mastercycler® nexus gradient with aluminum block
- **$4,150** – Cat. No. 2231000844: Mastercycler® nexus X2e with aluminum block

WHY YOU WILL LOVE IT

- Ultimate flexibility with universal block compatible with all PCR tubes from 0.1 to 0.5 mL and all types of PCR plates
- Additional throughput with option of connecting 2 nexus eco units
- Reaction optimization with gradient feature both in our nexus gradient and nexus x2
- VisioNize® compatible

Enhance Your NGS Workflow

ENHANCE YOUR NGS WORKFLOW

Thermal cyclers can be used in NGS steps such as fragmentation, ligation, and hybridization, in addition to PCR. With the **Mastercycler® X50** you can:

- Limit bottlenecks in your workflow with fast and precise ramp rates
- Ensure reliable results with consistent block temperature
- Minimize sample loss with flexlid® that adjusts to fit your consumables for a tight seal
- Increase productivity by managing up to 50 cyclers with CycleManager X50 software

DID YOU KNOW?

CycleManager X50 software can increase productivity in the lab with management of up to 50 cyclers. With maintenance reminders, booking schedule and central location of all protocols, the CycleManager X50 can support your high-throughput workflow.

Watch our video on CycleManager X50
www.youtube.com/watch?v=J-B1Hht2Pls

Save on the Centrifuge 5920 R

Maximize your space with the Centrifuge 5920 R Complete Research Bundle. This versatile package lets you spin 5/15/25/50 mL conical tubes, 2.6-12 mL round-bottom tubes, plus MTP, DWP, and PCR plates in just one rotor!

SAVE TODAY

Save up to 26%

Save 26% and get the ultimate in flexibility for multiple applications with the Centrifuge 5920 R Complete Research Bundle.

- **$16,999** – Cat. No. 2231000842: Centrifuge 5920 R Complete Research Bundle with Rotor S-4xUniversal-Large, incl. aerosol-tight caps, Universal buckets and universal adapters for 5/15/25/50 mL conical tubes, 13/16 mm blood collection tubes, and plates, 120 V

WHY YOU WILL LOVE IT

- Compact footprint to save valuable bench space
- Quiet operation to improve your work environment
- Aerosol-tight caps for rotor buckets included with bundle
- Automatic rotor recognition and imbalance detection for maximum operational safety
- FastTemp pro® function for automatic pre-cooling based on pre-programmable time and date

DID YOU KNOW

With the Universal swing-bucket rotor design, you can spin tubes or plates in one adapter and tubes, bottles, or plates in another adapter using just one rotor and one set of buckets. Simply swap out the adapters!

Watch the video to find out more about Centrifuge 5920 R

www.youtube.com/watch?v=5G2DFiEdais&list=PL553783625BF95EEF&index=16&t=22s

Eppendorf has been developing and manufacturing high-quality benchtop centrifuges since 1964. Now, with the addition of the CR22N and CR30NX high-speed centrifuges, we are happy to support an even wider range of separation applications.
www.eppendorf.com/your-centrifuge-solution

Decrease Harvesting Time by 32%

Harvesting of bacteria, yeast, or cell cultures requires processing batch volumes of several liters in successive, time-consuming steps that must be repeated over and over. Now you can speed up your process with this special rotor for high-speed centrifuges CR22N and CR30NX.

With its compact design, Rotor R9A2 greatly improves harvesting process efficiency through the use of unique 1.5 L triangular wide-mouth bottles. Processing up to four 1.5 L bottles (6 liters) at up to 15,100 x g, this fixed-angle rotor is ideal for harvesting of bacteria, mammalian or insect cells, as well as algae or yeast. By reducing the number of bottles required to spin 6 L from the standard six to just four, processing time can be reduced by up to 32% without impacting pelleting efficacy.

DID YOU KNOW

Learn more about how we calculated the time savings in our white paper, "Unique 4 x 1.5 L Capacity Rotor for High-Speed Centrifuges CR22N and CR30NX."

To access the white paper, visit:
eppendorf.com/whitepaper64

High Speed + High Quality: Centrifugation Just Got Better

As a leader in the field of centrifugation, Eppendorf is excited to add high-speed floorstanding centrifuges and ultracentrifuges to its growing portfolio. Along with the quality and service you expect from Eppendorf, all high-speed and ultracentrifuges feature large touchscreen displays for quick and intuitive operation and a self-locking rotor system and non-contact imbalance sensor for maximum safety and efficiency. Additional user management and documentation functions support labs working in a GxP environment. Get to know the new members of the Eppendorf family!

High-Speed Centrifuges

CR22N, CR30NX

> Speeds up to 110,000 x g (CR30NX) or 48,000 x g (CR22N) support applications in genomics, cell biology and proteomics

> Unique 1.5 L triangular bottle provides easy and efficient harvesting of cell, yeast and bacterial cultures (up to 15,100 x g)

> Multiple kits (rotor plus suitable consumables) tailored to your applications make choosing the right one easier than ever

Ultracentrifuges

CP80NX, CP90NX, CP100NX

> Speeds up to 803,000 x g (or 100,000 rpm on the CP100NX) in a fixed-angle rotor and up to 419,000 x g (65,000 rpm) in a swing-bucket rotor. Allow for efficient separation and density gradient centrifugation of microscopic particles, lipoproteins, protein, DNA and RNA, viruses and vesicles.

> Automatic Rotor Life Management System (RLM) tracks rotor lifetime by maintaining a digital log of total run time, eliminating the need for paper logs

> High imbalance tolerance for visual balancing of samples*

* Except rotor P21A2

* Except rotors S140AT, S110AT, S80AT3, S50A

Micro-Ultracentrifuges

CS150FNX, CS150NX

> Speeds up to 1,050,000 x g (150,000 rpm) with fixed-angle rotors ensure speedy separation of samples such as nucleic acids, proteins, cell organelles, viruses and nanoparticles in volume between 0.2 – 30 mL

> Two compact options to fit your space: Floorstanding CS150FNX and benchtop CS150NX

> IDEM High imbalance tolerance allows for visual balancing of samples*

Learn more at:
www.Eppendorf.com/your-centrifuge-solution/

Save on the CellXpert® C170i CO_2 Incubator

Hypoxic conditions are important to mimic in vivo environments such as stem cell niches and solid tumors. The CellXpert® C170i provides the hypoxic condition you need while reducing gas consumption.

WHY YOU WILL LOVE IT

- Flexible options for O_2 control: 0.1–20% or 1–20%
- Fast temperature and gas recovery after door opening to keep the growth conditions stable
- Save money and change gas cylinders less often by significantly reduced gas consumption
- VisioNize® touch interface for fast and continuous navigation, Remote Device Monitoring, and Alert Notifications

SAVE TODAY

Save up to 18%

Save 18% on the CellXpert CO_2 incubator with O_2 control for your hypoxic experiment. Choose between a non-segmented or 4-split inner door and 0.1-20% or 1-20% oxygen control range.

- **$9,925** – Cat No. 2231000761: CellXpert® C170i, non-segmented inner door, handle right side, 1%–20% oxygen control
- **$11,285** – Cat. No. 2231000762: CellXpert® C170i, 4-split inner door, handle right side, 1%–20% oxygen control
- **$12,022** – Cat. No. 2231000763: CellXpert® C170i, 4-split inner door, handle right side, 0.1 – 20% oxygen control

DID YOU KNOW?

The running costs for a CO_2 incubator can easily exceed its purchase price over time. Are you wondering how you can save costs with the CellXpert CO_2 incubator?

Try this easy-to-use tool to calculate how you can extend the lifespan of your gas cylinder and save money with the CellXpert CO_2 Incubator at: **www.eppendorf.com/cellxpert**

Save on the CellXpert® C170i CO_2 Incubator

You cannot afford to spend time, money, or valuable source material on additional experiments due to insufficient reproducibility. With the CellXpert we can help you reduce time-to-market or time-to-publication.

SAVE TODAY

Save up to 18%

Get more reproducible results and save 18% on the CellXpert® C170i CO_2 incubator.

- **$9,760** – Cat. No. 2231000760: CellXpert® C170i, non-segmented inner door, handle right side, humidity monitoring package
- **$18,533** – Cat. No. 2231000663: 2X CellXpert® C170i, non-segmented inner door, handle left side. Complete stacking kit included
- **$18,533** – Cat. No. 2231000664: 2X CellXpert® C170i, non-segmented inner door, handle right side. Complete stacking kit included

WHY YOU WILL LOVE IT

- Precise temperature uniformity verified at 27 spots inside the chamber (German Norm DIN 12880)
- Fast gas and temperature recovery < 5 min without setpoint overshoot
- Protection from vibrations and turbulence with fanless incubator design
- State-of-the-art dual channel IR-sensor for CO_2 control
- Optional: humidity + water level sensors to better monitor the growth conditions

DID YOU KNOW?

We replaced the traditional configuration of one or two temperature sensors with multiple, independent sensors in different locations throughout the incubator chamber.

The result: the CellXpert® provides an optimized temperature uniformity to help you achieve more reproducible results. Download this paper and check the comparison yourself at: **www.eppendorf.com/cellxpert**

Building Blocks for Secure Sample Management

Your samples spend much of their time in ultra-low temperature storage, and a freezer failure can be devastating to your work. The same care that goes into your samples should go into selecting a proper home for them. A robust freezer carefully designed to provide a high level of security and reliability that is critical for keeping your precious samples protected day after day for years to come. At Eppendorf, we start with high-quality components for ultimate insulation and durability and utilize advanced cooling technology for consistent, reliable temperatures.

Our CryoCube® freezers are designed to keep your samples safe with:

- Robust, stainless-steel body and interior
- Polyurethane foam insulation enforced by high-quality vacuum insulated panels
- Flat and flexible ouster gaskets to minimize icing and ensure a tight seal
- Insulated and gasketed inner doors for an additional layer of sample protection
- High-efficiency cascade compressor systems for quick temperature recovery after door openings
- Centrally-located temperature sensors for precise temperature management

Learn more about Eppendorf's solution for sample management at: www.eppendorf.com/sample360

DID YOU KNOW?

Long freezer door openings subject your samples to warm temperatures that may affect their quality. Quickly locate samples in the ULT freezer before you even open the door by using an inventory tracking system like eLabInventory, which allows you to visualize your inventory storage in an easy-to-use software platform.

You Can Have Peace of Mind: Your Samples Are Safe

How many things do you need to check before leaving the lab for the day? You might want to verify your freezer is closed with your samples securely stored or that your cell culture flasks are shaking and incubating at the right temperature. Another team member could be working late in the lab though, and by accident, leave the freezer door open, setting the alarm off. The door could have been left open for a few minutes or hours, making it impossible to know if your samples are degraded. You work hard to obtain your samples, and should ensure their safety.

By implementing a solution such as VisioNize® Lab Suite, you can have peace of mind your samples are secure. Monitor your entire fleet of freezers from anywhere and receive real-time notifications of device temperature fluctuations and power failures. Track all related device parameters such as temperature, O_2 and CO_2 of your incubators. You can also utilize services such as Alert + for time and response based escalation schemes, addressing any issues quickly. Additionally, the platform can be utilized to plan for upcoming maintenance activities of your devices. By connecting your devices to a cloud-based platform such as VisioNize® Lab Suite, you can avoid instrument downtime and ensure sample safety as well as data integrity.

Making the Transition to Automation

When considering automation for the lab, it might seem overwhelming. Manual pipetting is your everyday and seems to work well for you. A single or multi-channel pipette can meet all your liquid handling needs, so why make the transition?

Manual pipetting can be error-prone due to the operator and user-to-user variability. The ep*Motion*® series of liquid handlers can help you automate routine tasks or more complex applications with improved accuracy and precision. Your everyday liquid handling can include serial dilutions, normalization and reagent distributions. These tasks can be easily programmed on the ep*Motion*® saving you time in your day while generating results you can trust. For applications such as PCR, nucleic acid purification, and NGS library preparation, automation can be beneficial for the handling of beads, smaller sample and reagent volumes, and viscous and volatile liquids. By moving your processes to an automated liquid handler, you are not only increasing productivity, but also the reproducibility of your results.

DID YOU KNOW?

Watch and learn how easy it is to automate your PCR set-up on the ep*Motion*®.

Watch our tutorial
www.youtube.com/watch?v=YkDM_1OePv8

Save on Thermal Cyclers, Centrifugation, and Incubators

THERMAL CYCLERS

Save up to 42%

Save up to 42% on the Mastercycler® nexus gradient which features a universal block for ultimate flexibility and gradient functionality for PCR optimization. With the Mastercycler® X2e featuring a dual block, run PCR reactions in parallel for increased productivity and save up to 40%.

- **$4,995** 2231000843 Mastercycler® nexus gradient with aluminum block, 115 V/50 – 60 Hz
- **$4,150** 2231000844 Mastercycler® nexus X2e with aluminum block, 100 – 110 V/50 – 60 Hz

CENTRIFUGATION

Save up to 26%

Save 26% and get the ultimate in flexibility for multiple applications with the Centrifuge 5920 R Complete Research Bundle.

- **$16,999** 2231000842 Centrifuge 5920 R Complete Research Bundle with Rotor S-4xUniversal-Large, incl. aerosol-tight caps, Universal buckets and adapters for 5/15/25/50 mL conical tubes, 13/16 mm blood collection tubes, and plates, 120 V

INCUBATORS

Save up to 18%

Get 18% off the purchase of the CellXpert® CO_2 incubators with different configurations.

- **$9,925** 2231000761 CellXpert® C170i, non-segmented inner door, handle right side, 1%–20% oxygen control
- **$11,285** 2231000762 CellXpert® C170i, 4-split inner door, handle right side, 1%–20% oxygen control
- **$12,022** 2231000763 CellXpert® C170i, 4-split inner door, handle right side, 0.1 – 20% oxygen control
- **$9,760** 2231000760 CellXpert® C170i, non-segmented inner door, handle right side, humidity monitoring package
- **$18,533** 2231000663 2X CellXpert® C170i, non-segmented inner door, handle left side. Complete stacking kit included
- **$18,533** 2231000664 2X CellXpert® C170i, non-segmented inner door, handle right side. Complete stacking kit included

New Products in 2022

New in Tubes (SnapTec® 50)

Done in a snap! The Eppendorf Conical Tube SnapTec® 50 (nominal volume 45 mL) combines the high quality of our traditional conical tubes with the innovative SnapTec® closure for easy, single-handed operation. Its precise dimensions ensure maximum compatibility with existing lab equipment.

epT.I.P.S® Box 2.0

- Safe stand no loss through tip attachment forces
- Slim rack size easy to carry also for small hands
- Lid with locking option can be closed after each use for more tip and handling safety
- Originality sticker easy to remove no glove damaging
- All rack sizes can be stacked on each other

SafeCode™ Tubes

Coming soon! Eppendorf conical tubes will be available with SafeCode™, a durable barcoding system featuring 2-level coding for safe sample identification. ID-specific data for manufacturing traceability of each tube is easily accessible via the Eppendorf website.

CryoCube® F440 Series

The new CryoCube® F440 series provides the same sample protection as the larger CryoCube® F570 and F740 series but with a footprint designed for smaller spaces. Energy-efficient cooling and eco-friendly refrigerants make it a smart choice for sustainability.

Ultracentrifuges

When your applications require super speeds, our portfolio of ultracentrifuges and micro-ultracentrifuges provides ideal separation performance with speeds up to 1,050,000 x g.

VisioNize® Lab Suite

VisioNize® Lab Suite is a universal platform for lab and device management that gives you the ability to monitor your devices from anywhere, schedule upcoming maintenance tasks, and access detailed audit logs of all device-related activities.

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New Lab Start-Up Program

Congratulations on your New Lab! After many years of intense work, you have reached a milestone in your career and we are here to support you. Eppendorf's New Lab Start-Up Program is designed to give you special savings on a broad selection of Eppendorf products, so there is no need for you to compromise on product quality when setting up your new lab.

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Visit the link for the Eppendorf New Lab Start Up Program: **www.eppendorf.com/newlab**

Promega

Visit the link for the Promega New Lab Start Up Program: **www.promega.com/c/programs/new-lab-startup-program**

DID YOU KNOW?

Through a strategic partnership between Eppendorf and Promega, we can further support scientists with our combined expertise in instrumentation, reagents, and consumables.

Eppendorf North America, Inc.
Phone: 800-645-3050
Email: info@eppendorf.com

www.eppendorf.com

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