

# Eppendorf Advantage

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

**JULY 1 – DECEMBER 31, 2021**



CENTRIFUGES



Get the new Centrifuge 5425 R, perfect for all of your modern molecular biology applications, and save up to 36%.

- ▶ \$6,495 2231000815 Centrifuge 5425 R, knob, refrigerated, with Rotor FA-24x2 mL, 120 V/50–60 Hz
- ▶ \$6,495 2231000816 Centrifuge 5425 R, keypad, refrigerated, with Rotor FA-24x2 mL, 120 V/50–60 Hz



SPECTROMETERS



Special price: Purchase an Eppendorf BioSpectrometer® fluorescence for the same price as the Eppendorf BioSpectrometer basic.

- ▶ \$11,729 6135000017 Eppendorf BioSpectrometer basic, 100–120 V/50–60 Hz
- ▶ \$11,821 6137000014 Eppendorf BioSpectrometer fluorescence, 100–120 V/50–60 Hz
- ▶ \$14,209 6136000010 Eppendorf BioSpectrometer kinetic, 100–120 V/50–60 Hz



MIXERS



Purchase the MixMate® and save 15%.

- ▶ \$2,400 2231000804 MixMate, basic device (tube holders sold separately), 120 V/50–60 Hz



THERMAL CYCLERS



Increase productivity by connecting up to two Mastercycler® nexus ecos to your existing unit and save up to 24%. Run PCR reactions in parallel with the Mastercycler nexus GX2 featuring a dual block with gradient capability and save up to 27%.

- ▶ \$5,100 2231000813 Mastercycler nexus eco with aluminum block, 120 V/50–60 Hz
- ▶ \$8,250 2231000814 Mastercycler nexus GX2 with aluminum block, 120 V/50–60 Hz



INCUBATORS



Get 18% off the purchase of the CellXpert® CO<sub>2</sub> incubators with different configurations.

- ▶ \$19,370 2231000759 2x CellXpert C170, non-segmented inner door, handle right side, includes lower stand with casters and stacking kit, 120 V/50–60 Hz
- ▶ \$11,750 2231000760 CellXpert C170i, non-segmented inner door, handle right side, with water tray and humidity monitoring package, 120 V/50–60 Hz
- ▶ \$12,525 2231000761 CellXpert C170i, non-segmented inner door, handle right side, 1 – 20% O<sub>2</sub> control, 120 V/50–60 Hz
- ▶ \$13,950 2231000762 CellXpert C170i, inner door with 4 door segments, handle right side, 1 – 20% O<sub>2</sub> control, 120 V/50–60 Hz
- ▶ \$14,999 2231000763 CellXpert C170i, inner door with 4 door segments, handle right side, 0.1 – 20% O<sub>2</sub> control, 120 V/50–60 Hz



SHAKERS



Purchase an incubated or refrigerated Innova® S44i shaker with a universal platform and save up to 15%.

- ▶ \$23,995 2231000805 Innova S44i shaker, orbit 1 in/2.5 cm with Universal Platform, 120 V/50–60 Hz
- ▶ \$23,995 2231000806 Innova S44i shaker, orbit 2 in/5.1 cm with Universal Platform, 120 V/50–60 Hz
- ▶ \$27,190 2231000807 Innova S44i refrigerated shaker, orbit 1 in/2.5 cm with Universal Platform, 120 V/50–60 Hz
- ▶ \$27,190 2231000808 Innova S44i refrigerated shaker, orbit 2 in/5.1 cm with Universal Platform, 120 V/50–60 Hz
- ▶ \$32,500 2231000809 Innova S44i refrigerated shaker, orbit 1 in/2.5 cm with photosynthetic LED light bank and Universal Platform, 120 V/50–60 Hz
- ▶ \$32,500 2231000810 Innova S44i refrigerated, orbit 2 in/5.1 cm with photosynthetic LED light bank and Universal Platform, 120 V/50–60 Hz



Inquire with your sales rep for FREE stacking kit offers.



Purchase an incubated or refrigerated Innova 42 shaker with a universal platform and save up to 16%.

- ▶ \$12,775 2231000755 Innova 42 incubated shaker, 3/4" orbit. Universal platform included.
- ▶ \$12,775 2231000756 Innova 42 incubated shaker, 1" orbit. Universal platform included.
- ▶ \$14,695 2231000757 Innova 42R incubated and refrigerated shaker, 3/4" orbit. Universal platform included.
- ▶ \$14,695 2231000758 Innova 42R incubated and refrigerated shaker, 1" orbit. Universal platform included.





# Improper Sample Management Can Affect Your Results

Your samples are some of the most valuable assets in the laboratory. After spending countless hours on extraction and preparation, your conclusions could be invalid due to lack of traceability or loss of sample integrity associated with poor storage conditions. To complete your research, you need to be able to trust your results.

Implementing a robust sample management system ensures samples are accurately labeled and documented, easily accessible, and maintained at a constant temperature, thereby improving experimental outcomes and traceability.

Eppendorf Sample360 offers a powerful sample management solution with an integrated family of products and services that work together to secure, store, track, and monitor your samples, providing safety and reliability and giving you confidence at every step.

Eppendorf Sample360 includes the SafeCode™ system of barcoded cryostorage vials for reliable sample identification and traceability, our trusted CryoCube® –80°C ULT freezers to preserve sample integrity, VisioNize® Lab Suite to remotely monitor your devices from anywhere, and eLabInventory software to centralize all your sample inventory and data in one location.



## CHOOSING THE RIGHT ULT FREEZER

CryoCube® F740hi ULT freezers are designed to provide consistent, reliable temperatures to protect sample integrity. Powerful cooling technology and advanced insulation maintain set temperature and ensure quick recovery after door openings.

Learn more at [www.eppendorf.com/Sample360](http://www.eppendorf.com/Sample360)



VisioNize® Lab Suite provides the remote monitoring you need for 24/7 visibility. Connect your devices and receive alarm notifications, maintenance reminders, audit logs and access to your device data no matter where you are.



# Struggling to Stay Cool?

With state-of-the-art cooling technology for processing temperature-sensitive samples from 0.2 to 5 mL, the refrigerated Centrifuge 5425 R keeps your samples cool, even when spinning at maximum speed. Quick pre-cooling from ~ 21°C to 4°C in only 8 minutes ensures the centrifuge is ready for operation when you are.



## WHY YOU WILL LOVE IT

- ▶ **New, bright display makes reading easier and more comfortable**
- ▶ **Aerosol-tight Eppendorf QuickLock® lids offer simple and safe handling of all types of samples**
- ▶ **OptiBowl® design enables quiet performance, even without a rotor lid**
- ▶ **Soft-touch, one-finger lid closure provides easy, ergonomic operation**



SAVE TODAY



Get the new Centrifuge 5425 R, perfect for all of your modern molecular biology applications, and save up to 36%.

- ▶ **\$6,495** – Cat. No. 2231000815: Centrifuge 5425 R, knob, refrigerated, with Rotor FA-24x2 mL, 120 V/50–60 Hz
- ▶ **\$6,495** – Cat. No. 2231000816: Centrifuge 5425 R, keypad, refrigerated, with Rotor FA-24x2 mL, 120 V/50–60 Hz

For more information visit [www.eppendorf.com/advantage-promotions](http://www.eppendorf.com/advantage-promotions)



## DID YOU KNOW

In addition to the 24 x 2 mL rotor included in this promotion, the Centrifuge 5425 R offers an extended rotor portfolio of 6 rotors that are interchangeable with the air-cooled Centrifuge 5425.

**For details on all rotor options for vessels from 0.2 to 5 mL, visit [www.eppendorf.com/5425R\\_LP](http://www.eppendorf.com/5425R_LP)**



Hello! Yes, You!

## Earn Points, Get Rewarded

Eppendorf's bonus points program, epPoints®, allows you to collect points that can be redeemed for fantastic rewards including mugs, gift cards and select Eppendorf Products.

Points can be collected a variety of ways including by purchasing or registering products. You always have access to your collected epPoints status either through our website or via our e-mail account statement twice a year.

Keep collecting and always check for new amazing rewards!

[www.eppendorf.com/eppoints](http://www.eppendorf.com/eppoints)

## SHOUT-OUT TO ALL PROUD OWNERS OF AN EPPENDORF PRODUCT

By taking just a few minutes to register your products, you can earn points for free rewards and improve your experience with Eppendorf.

### It is as Simple as 1-2-3!

- 1 – Visit [www.eppendorf.com/productregistration](http://www.eppendorf.com/productregistration)
- 2 – Create or log into your myEppendorf account
- 3 – Enter the serial number or registration code and click Go

You can also register your product using the Eppendorf App and scanning the QR code on your product!

The app is available for Android and iOS devices:  
[www.eppendorf.com/eppendorf-app](http://www.eppendorf.com/eppendorf-app)



## DID YOU KNOW

For each registration you can receive up to 100 epPoints, eShop discount vouchers, extended warranties and more\*.

\* Check the **website** for participating products and countries for all promotions incl. the terms and conditions.

**Don't miss your chance to win a laser engraved pipette for your lab! Register Your Product – and Win!**

For more information visit [www.eppendorf.com/advantage-promotions](http://www.eppendorf.com/advantage-promotions)





# PCR Slowing You Down?

Typically, hours can be spent in the lab on a single experiment which requires attention to detail. With additional ongoing projects, time needs to be managed effectively to move projects forward. PCR runs can create bottlenecks in processes that require multiple amplification steps.

 Watch our video:  
[www.eppendorf.com/smartcycler\\_video](http://www.eppendorf.com/smartcycler_video)

## Smart Cycler Management



Your routine PCR tasks are made easy with CycleManager X50 software. Remotely manage up to 50 cyclers for maximum productivity and flexibility of your workflows. Your time and energy can be spent on your research with technology that can assist you with your time management.

Learn more at [www.eppendorf.com/next-stage\\_ca](http://www.eppendorf.com/next-stage_ca)

By implementing a fast, reliable thermocycler and optimized PCR master mix, efficiency and productivity increase with easy access to saved programs, simple protocol set-up and quicker results. A cycler management software can additionally improve your PCR workflows by providing a central location of all protocols, booking schedule and maintenance reminders.

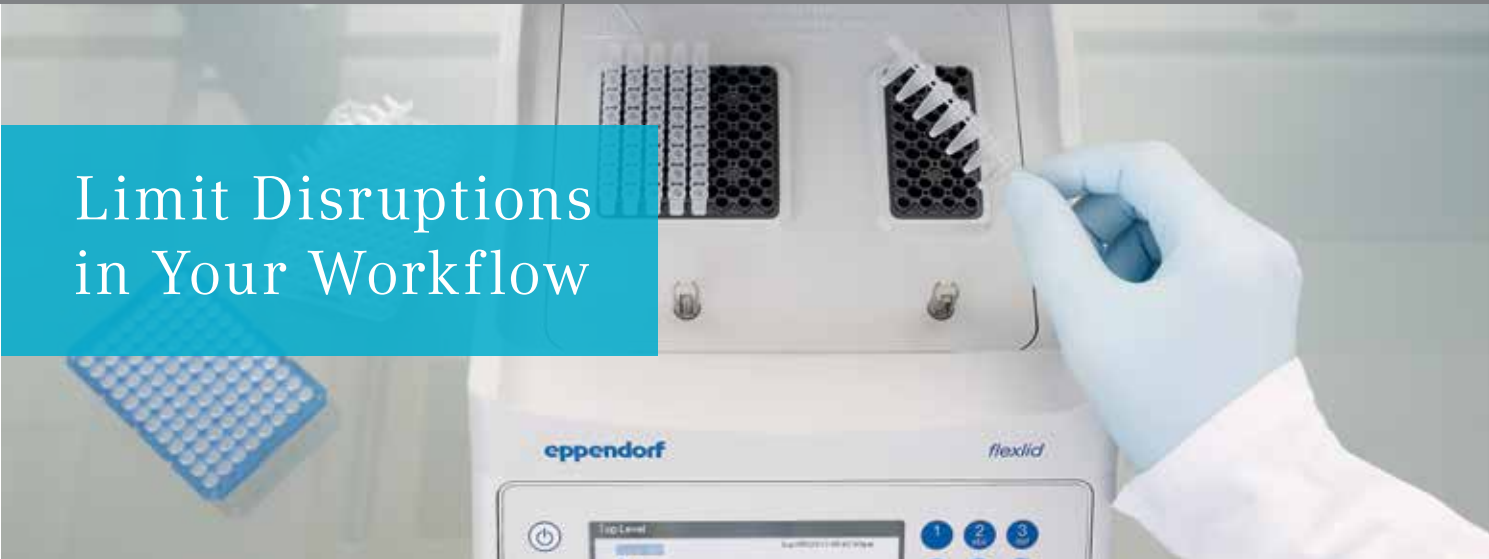


### DID YOU KNOW



Where traditional PCR master mixes can take 1–2 hours to amplify samples, the Promega GoTaq® Rapid Master Mix can decrease that time to as little as 15 minutes when paired with an instrument with a fast and consistent temperature ramp rate, like the Eppendorf Mastercycler® X50s.

For more information visit  
[www.promega/gotaq-rapid-pcr-mastermix](http://www.promega/gotaq-rapid-pcr-mastermix)



# Limit Disruptions in Your Workflow

PCR is a technology that is utilized in virtually every molecular biology laboratory and as the gold standard in countless analytical assays. Protocols can vary though depending on the application which may require unique reaction volumes, run times, replicates and optimization needed.

A versatile thermocycler such as the Mastercycler® nexus can streamline your workflow with features such as:

- ▶ Universal block for compatibility with different consumable types from 0.2 mL tubes to 96-well plates
- ▶ PCR annealing and denaturing temperature optimization with gradient range from 1–20°C
- ▶ Effortless height adjustment with flexlid® for limited evaporation especially for longer PCR runs



## SAVE TODAY



Increase productivity by connecting up to two Mastercycler® nexus ecos to your existing unit and save up to 24%. Run PCR reactions in parallel with the Mastercycler nexus GX2 featuring a dual block with gradient capability and save up to 27%.

- ▶ \$5,100 – Cat. No. 2231000813: Mastercycler nexus eco with aluminum block, 120 V/50–60 Hz
- ▶ \$8,250 – Cat. No. 2231000814; Mastercycler nexus GX2 with aluminum block, 120 V/50–60 Hz



## SAVE TODAY



Purchase the MixMate® and save 15%.

- ▶ \$2,400 – Cat. No. 2231000804: MixMate, basic device (tube holders sold separately), 120 V/50–60 Hz

## Eppendorf BioSpectrometer® Clearance



### WHY YOU WILL LOVE IT

- ▶ Carry out UV/Vis and fluorescence assays on a single instrument without the need for external control
- ▶ Automatic standard curve calculation
- ▶ Ideal for NGS applications
- ▶ Eppendorf  $\mu$ Cuvette® G1.0 for fluorescence assays (1.5  $\mu$ L loading volume) allows for a vast reduction in reagent usage



### DID YOU KNOW

The  $\mu$ Cuvette G1.0 is in your range: Only 1.5  $\mu$ L of a sample is needed. The optical path length of only 1 mm enables a light path that is 10x shorter than the light path on standard cuvettes: Measure low nucleic acid and protein concentrations with high reliability.



## Measuring Nucleic Acid Concentration with Fluorescence

In general, nucleic acid concentrations are quantified by measurement of light absorption in UV-VIS spectrometers. Absorbance is measured at 260 nm, and the concentration is calculated using a specific conversion factor. Additional measurements at 230 nm, 280, 320 (or 340) nm can detect contaminations due to proteins or other organic materials as well as interfering particles. Unfortunately, photometric determination is not very sensitive. If a certain threshold is not reached, the amount of nucleic acid can generally not be distinguished from artifacts. Another option to determine nucleic acids is indirect detection of the

molecules via a fluorescent dye. This method is ideally suited to the specific determination of dsDNA, ssDNA and oligonucleotides, RNA as well as proteins. In addition to higher specificity, this method is also more sensitive than the conventional method of light absorption by a factor of 1,000-10,000. Some common fluorescent dyes, such as PicoGreen and Ethidium Bromide, have specific ranges of detection. The fact that dyes bind specifically to the nucleic acid of interest is of great advantage; i.e. dsDNA can be detected specifically and at very low concentrations.



### DID YOU KNOW

If you would like to read the full Application Note No. 271 "Determination of nucleic acid concentrations using fluorescent dyes in the Eppendorf BioSpectrometer® fluorescence", click the link below.

[www.eppendorf.com/BiospecAppNote](http://www.eppendorf.com/BiospecAppNote)








# Minimize Your Downtime, Minimize Your Risk

We all know that the equipment in your lab needs proper maintenance for many years of productive and reliable operation. The next time you open the door to your CO<sub>2</sub> incubator or bacterial shaker, ask yourself when was the last time it was properly serviced. As you think about that, the big question is how much should you do on your own and how much should you entrust to the original manufacturer? At Eppendorf, we have flexible options to suit your needs and risk level.

 Watch our video about contamination prevention [www.eppendorf.com/cleaning](http://www.eppendorf.com/cleaning)



## DID YOU KNOW

One of the most common forms of contamination in an incubator is mycoplasma, making up to 60% of cell culture contamination (Uphoff, 2002). Mycoplasmas are small, antibiotic-resistant bacteria, making typical forms of mitigation such as antibiotics and filters infective at removing them. The worst part is they replicate very quickly and you don't notice them until it is too late.

See more at [www.eppendorf.com/contamination](http://www.eppendorf.com/contamination)



## SAVE TODAY



Get 18% off the purchase of the CellXpert® CO<sub>2</sub> incubators with different configurations.

- ▶ \$19,370 – Cat. No. 2231000759: 2x CellXpert C170, includes stacking kit
- ▶ \$11,750 – Cat. No. 2231000760: CellXpert C170i, with water tray and humidity monitoring package
- ▶ \$12,525 – Cat. No. 2231000761: CellXpert C170i, 1 – 20% O<sub>2</sub> control
- ▶ \$13,950 – Cat. No. 2231000762: CellXpert C170i, 4 split inner doors, 1 – 20% O<sub>2</sub> control
- ▶ \$14,999 – Cat. No. 2231000763: CellXpert C170i, 4 split inner doors, 0.1 – 20% O<sub>2</sub> control



## WHY YOU'LL LOVE OUR SERVICE

- ▶ Supports the regulatory and quality requirements of your organization
- ▶ Bring peace of mind to the research by keeping the shakers or incubators in top working order
- ▶ Improve your productivity by minimizing the downtime of your shaker or incubator



Meet the Innova S44i: [www.eppendorf.com/S44i\\_video](http://www.eppendorf.com/S44i_video)



## SAVE TODAY

Purchase an incubated or refrigerated Innova® S44i shaker with a universal platform and save up to 15%.

- ▶ \$23,995 – Cat. No. 2231000805: Innova S44i shaker, orbit 1 in/2.5 cm
- ▶ \$23,995 – Cat. No. 2231000806: Innova S44i shaker, orbit 2 in/5.1 cm
- ▶ \$27,190 – Cat. No. 2231000807: Innova S44i refrigerated shaker, orbit 1 in/2.5 cm
- ▶ \$27,190 – Cat. No. 2231000808: Innova S44i refrigerated shaker, orbit 2 in/5.1 cm
- ▶ \$32,500 – Cat. No. 2231000809: Innova S44i refrigerated shaker, orbit 1 in/2.5 cm with photosynthetic light
- ▶ \$32,500 – Cat. No. 2231000810: Innova S44i refrigerated, orbit 2 in/5.1 cm with photosynthetic light

Inquire with your sales rep for FREE stacking kit offers.



## SAVE TODAY



Purchase an incubated or refrigerated Innova® 42 shaker with a universal platform and save up to 16%.

- ▶ \$12,775 – Cat. No. 2231000755: Innova 42 incubated shaker, 3/4" orbit
- ▶ \$12,775 – Cat. No. 2231000756: Innova 42 incubated shaker, 1" orbit
- ▶ \$14,695 – Cat. No. 2231000757: Innova 42R refrigerated shaker, 3/4" orbit
- ▶ \$14,695 – Cat. No. 2231000758: Innova 42R refrigerated shaker, 1" orbit

## Reproducibility Matters



The cells you grow are sensitive to changes in their environments, from the gases in a CO<sub>2</sub> incubator to the shaking speed of a bacterial shaker. Make sure these parameters stay within the manufacturer's specification.

See more at [www.eppendorf.com/service-support\\_ca](http://www.eppendorf.com/service-support_ca)

## Streamline Your Process to Reduce Time to Market

Growing cells *in vitro* is exciting. However, cells can be difficult to grow, there is always a risk of contamination, and process scaling up is challenging. Very tight deadlines to move from R&D to pilot to production makes cell culture work even more difficult.

To reduce time to market, Eppendorf offers a range of reliable, precise, controlled, and scalable cell growing devices from R&D to production. Less downtime caused by contamination, better cell growth due to precise conditions, parallel reactors for growth optimizations, and quick scale-up to production are the standard in our solutions.

### Expanding Cell Growth Capabilities



Animal cell cultures need consistent temperatures, nutrients, oxygen levels, and pH values. However, the fragility of animal cells requires some growth parameters to be considered more carefully. Learn how to optimize cell growth from start to finish in this eBook.

See more at [www.eppendorf.com/The\\_Cell\\_Journey](http://www.eppendorf.com/The_Cell_Journey)



Watch our expert panel discussion on streamlining technology transfer from research to production  
[www.eppendorf.com/research\\_production](http://www.eppendorf.com/research_production)



### DID YOU KNOW

Scaling up your cell culture workflow introduces new challenges with consistency and reproducibility. Some choose to scale up for production by mixing media from several small batches, raising product yield and cell number but this is difficult for high production yields and introduces issues of consistency. The BioFlo® 320 allows for total quality control across vessel sizes, volumes, and applications.

## Our Bioprocessing History

Since the advent of its first biological shaker, which was instrumental in the production of Streptomycin, Eppendorf provided unique shakers and fermentors used throughout the world.

Drawing on the experience of New Brunswick Scientific™ and DASGIP® GmbH, Eppendorf continues to provide high quality and reliable incubators, shakers, and bioprocess controllers for all bioprocess applications from antibody production to vaccine development.



### SAVE TODAY



Purchase the BioFlo® 320 controller and get 25% off the S41i.

- **Inquire** – Cat. No. 1379963011: BioFlo 320, base control station
- **Inquire** – New Brunswick™ S41i, 170 L, CO<sub>2</sub> incubator shaker with inner static shelf and touch screen control, 120 V, orbit 2.5 cm (1 in) with Universal Platform



Listen to our podcast:  
*From Shaker to Bioreactor*  
[www.eppendorf.com/shaker\\_bioreactor](http://www.eppendorf.com/shaker_bioreactor)



### DID YOU KNOW

Eppendorf is iconic for bioprocessing. Tweet with an image of the oldest but beloved Eppendorf bioreactor in your facilities. Use the #OldestBioreactor and fill out <http://http://eppendorf.global/IDv>.

The contestant with the oldest Eppendorf bioreactor will win an iPad Pro®! Contest ends November 15, 2021.





# New Products for 2021



## Centrifuge 5910 Ri

- > VisioNize touch interface display for quick programming
- > User management with 3 access levels for increased security
- > Digital documentation of all run records and event logs

Watch our video:

[www.eppendorf.com/5910Ri\\_video](http://www.eppendorf.com/5910Ri_video)



## VisioNize® Lab Suite

- > Remotely monitor your devices from anywhere for added sample security
- > Plan for upcoming maintenance tasks and avoid instrument downtime
- > Generate a detailed audit log including device performance data and meet compliance needs



## BioFlo® 720

- > Successfully transfer your biotech from the bench to production
- > Smart software: *Scale Up Assist*, *Auto Calibrate*, and *Auto Inflate*
- > Documentation for cGMP labs

## Ask about our New Lab Startup Program

Through a strategic partnership between Eppendorf and Promega, we can further support scientists with comprehensive workflow solutions with our combined expertise in instrumentation, reagents, and consumables. If you are looking for support as you start your new lab, take advantage of our New Lab Start Up Programs. Eppendorf is extending to you a 10% credit when you purchase over \$17,500 worth of Eppendorf products. Promega is offering a one-time 50% discount to stock up on all of the high-quality reagents you'll need.



[Click here for more info for the Eppendorf New Lab Start Up Program](#)



[Click here for more info for the Promega New Lab Start Up Program](#)

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Phone: 800-263-8715  
Email: [canada@eppendorf.com](mailto:canada@eppendorf.com)

[www.eppendorf.com](http://www.eppendorf.com)