

Eppendorf Advantage

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

JANUARY 1 – JUNE 30, 2021

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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, promotional offers and some FUN activities. We hope to help give you the Advantage to succeed in the lab!



Pipetting Fatigue Holding You Back?

Research plus pipettes are ultra-light and easy to use, minimizing the risk of repetitive stress injury. Save on several ergonomic Eppendorf liquid handling products that enable comfortable, accurate use.



SAVE TODAY



Purchase the Research plus Starter Pack and say goodbye to discomfort and inaccuracy. Take advantage and save with 22% off the original price. Starter pack options include:

- ▶ **\$1,850** – Research plus Starter Pack: Option 1 – Cat. No. 2231000773: Research plus Starter Pack includes 4 single-channel adjustable volume Research plus pipettes (0.1–2.5, 0.5–10, 10–100, and 100–1,000 μ L), 1 full box of Eppendorf epT.I.P.S.[®] for each pipette, Repeater[®] M4, Easypet[®] 3, and a Pipette Carousel 2
- ▶ **\$1,850** – Research plus Starter Pack: Option 2 – Cat. No. 2231000774: Research plus Starter Pack includes 4 single-channel adjustable volume Research plus pipettes (0.1–2.5, 2–20, 20–200, 100–1,000 μ L), 1 full box of Eppendorf epT.I.P.S. for each pipette, Repeater M4, Easypet 3, and a Pipette Carousel 2

WHY YOU WILL LOVE IT

- ▶ Light-weight air-cushion pipette that requires low operating force
- ▶ Designed according to PhysioCare Concept[®] for guaranteed comfort
- ▶ Reduce bodily stress without sacrificing accuracy or speed
- ▶ Easy to adjust to offset inaccuracies for razor-sharp pipette precision



DID YOU KNOW

The Research plus pipettes were awarded the SelectScience[®] 2018 Bronze Seal of Quality, ranking them among the top 0.1% of products used in the lab.

See more: www.eppendorf.com/ResearchPlusBronzeSeal

Are You Wasting Time Filling Plates?

Fill plates faster using a light-weight multichannel pipette. The pipette's secondary adjustment allows for increased accuracy when pipetting various different liquids.



WHY YOU WILL LOVE IT

- ▶ Easy to clean — autoclave the lower portion or the entire pipette for total decontamination
- ▶ Enjoy flexibility and ensure accuracy no matter the liquid class



SAVE TODAY



Get the Research plus 8-channel 3-pack for 15% off the regular price. The Research plus 3-pack includes three 8-channel adjustable volume pipettes:

- ▶ **\$2,450** – Cat No. 2231000775:
Research plus 8-channel, 0.5–10 µL, medium gray
Research plus 8-channel, 10–100 µL, yellow
Research plus 8-channel, 30–300 µL, orange



Avoid Cross Contamination When Pipetting

Secure safe and flexible pipetting with the Research plus 8-channel 4-pack. These fully autoclavable pipettes have secondary adjustment for easy and accurate pipetting – even with difficult liquids.



SAVE TODAY



Get the Research plus 8-channel 4-pack for 23% off the regular price. The Research plus 4-pack includes four 8-channel adjustable volume pipettes:

- ▶ **\$2,950** – Cat No. 2231000776:
Research plus 8-channel, 0.5–10 µL, medium gray
Research plus 8-channel, 10–100 µL, yellow
Research plus 8-channel, 30–300 µL, orange
Research plus 8-channel, 120–1200 µL, dark green

WHY YOU WILL LOVE IT

- ▶ Easy to clean — autoclave the lower portion or the entire pipette for total decontamination
- ▶ Maintain accuracy regardless of altitude or liquid class with secondary adjustment



Poor Calibration Can Lead to Unreliable Results

Research takes time and resources. Don't let your tools – or a non-compliant pipette calibration service – sabotage your efforts. Something as seemingly simple as poor calibration can lead to inaccuracies, rendering your results unreliable.

Your pipettes are precision instruments that require fine-tuning – much like a guitar or race car. Regular maintenance ensures they are optimized and at peak performance. Otherwise, you might find your results come into question.

Our service is executed by technicians with 200-plus hours of training in fully accredited service centers, so you can have total peace of mind. The best bit: delivery is tailored to meet your needs. Choose from onsite, mail-in, and pick-up services. Calibration done right and made easy!

CONVENIENT AND COMPLIANT PIPETTE CALIBRATION AND MAINTENANCE

Reliable results start here, with our high-quality service that caters to all pipette brands – not just Eppendorf.

- ▶ Work stress-free knowing your results are reliable
- ▶ Enjoy calibration carried out by highly trained technicians that exceed ISO conformity standards
- ▶ Take advantage of convenient service delivery options



DID YOU KNOW

Although your pipette needs to be calibrated at least once a year in order to conform to ISO 8655, your pipette may need to be calibrated more frequently depending on the number of users, the frequency of use of the pipette, as well as the type of dispensed liquids and accepted tolerances.

See more: www.eppendorf.com/PipetteCalibrationService

In Need of Accurate Results?

Increase accuracy and reproducibility with our efficient multichannel electronic pipettes. Ergonomically designed, this versatile instrument offers numerous modes of operation.



WHY YOU WILL LOVE IT

- ▶ Enhance accuracy with an individual speed dial, spring-loaded tip cone, and more
- ▶ Numerous modes of operation that include dispensing, pipetting, mixing, and dilution
- ▶ Quickly fill a microplate, dispensing volumes between 0.5 μ L and 10 mL



SAVE TODAY



Get select Xplorer® plus 8-channel pipettes for 29% off the regular price. Options include:

- ▶ \$1,280 – Cat. No. 2231000786: 0.5–10 μ L, med. grey
- ▶ \$1,280 – Cat. No. 2231000787: 5–100 μ L, yellow
- ▶ \$1,280 – Cat. No. 2231000788: 15–300 μ L, orange
- ▶ \$1,280 – Cat. No. 2231000789: 50–1200 μ L, green



Repetitive Processes Stifling Productivity?

Pipetting plates can be time-consuming. Work efficiently with an ergonomically designed multichannel electronic pipette that offers individual programming, adjustable speed, and more.



SAVE TODAY



Get select Xplorer plus 12-channel pipettes for 29% off the regular price. Select options include:

- ▶ \$1,600 – Cat. No. 2231000790: 0.5–10 μ L, med. grey
- ▶ \$1,600 – Cat. No. 2231000791: 5–100 μ L, yellow
- ▶ \$1,600 – Cat. No. 2231000792: 15–300 μ L, orange
- ▶ \$1,600 – Cat. No. 2231000793: 50–1200 μ L, green

WHY YOU WILL LOVE IT

- ▶ Fill a 96- or 384-well microplate fast, pipetting between 0.5 μ L and 10 mL of liquid
- ▶ Boost productivity with an 8-hour battery, spring-loaded tip cone, and other features



Tedious Sample Reformatting is Inefficient and Inaccurate

In nucleic acid purification steps, there are multiple reagents such as beads that need to be mixed vigorously and multi-dispensed to sample wells. Additionally, the samples may be stored in vials that need to be reformatted to a 96-well or 384-well plate.

The process of reformatting tubes to plates to prepare for purification steps can be time-consuming, monotonous, and a challenge to accurately track. Once reformatted, reagents used for nucleic acid extraction need to be transferred to sample plates in a multi-well format. With a single channel pipette, these steps can be extremely inefficient, creating more room for error.

EFFICIENT AND ACCURATE PIPETTING STARTS HERE

It's time to increase the reliability and efficiency of numerous liquid transfers with the Move It® pipette, including tube to plate transfers.

- ▶ User-friendly, the Move It pipette features adjustable tip spacing using the adjustment knob
- ▶ The tubeless system can be autoclaved, is tangle-resistant, and has stable air-cushion temperature
- ▶ The pipette's easy and fast format change helps minimize transfer time



Pipetting Fatigue Puts Your Results at Risk

Make manual pipetting and the uncomfortable work that comes with it a thing of the past. Increase efficiency, save time, and enjoy an intuitive operating concept with the ergonomic Xplorer electronic pipette.



SAVE TODAY



Get select Xplorer® plus single-channel for 28% off the regular price. Select options include:

- ▶ \$760 – Cat. No. 2231000777: 0.5–10 µL, med. gray
- ▶ \$760 – Cat. No. 2231000778: 1–20 µL, light gray
- ▶ \$760 – Cat. No. 2231000779: 5–100 µL, yellow
- ▶ \$760 – Cat. No. 2231000780: 10–200 µL, yellow
- ▶ \$760 – Cat. No. 2231000781: 15–300 µL, orange
- ▶ \$760 – Cat. No. 2231000782: 50–1000 µL, blue
- ▶ \$760 – Cat. No. 2231000783: 0.125–2.5 mL, red
- ▶ \$760 – Cat. No. 2231000784: 0.2–5 mL, violet
- ▶ \$760 – Cat. No. 2231000785: 0.5–10 mL, turquoise

WHY YOU WILL LOVE IT

- ▶ Maintain control and quickly pipette liquid volumes between 0.5 µL and 10 mL
- ▶ Numerous modes of operation that includes multi-aspirate, dilution, sequential pipetting and dispensing and reverse pipetting
- ▶ Features like individual programming, fixed volume settings, and password protection



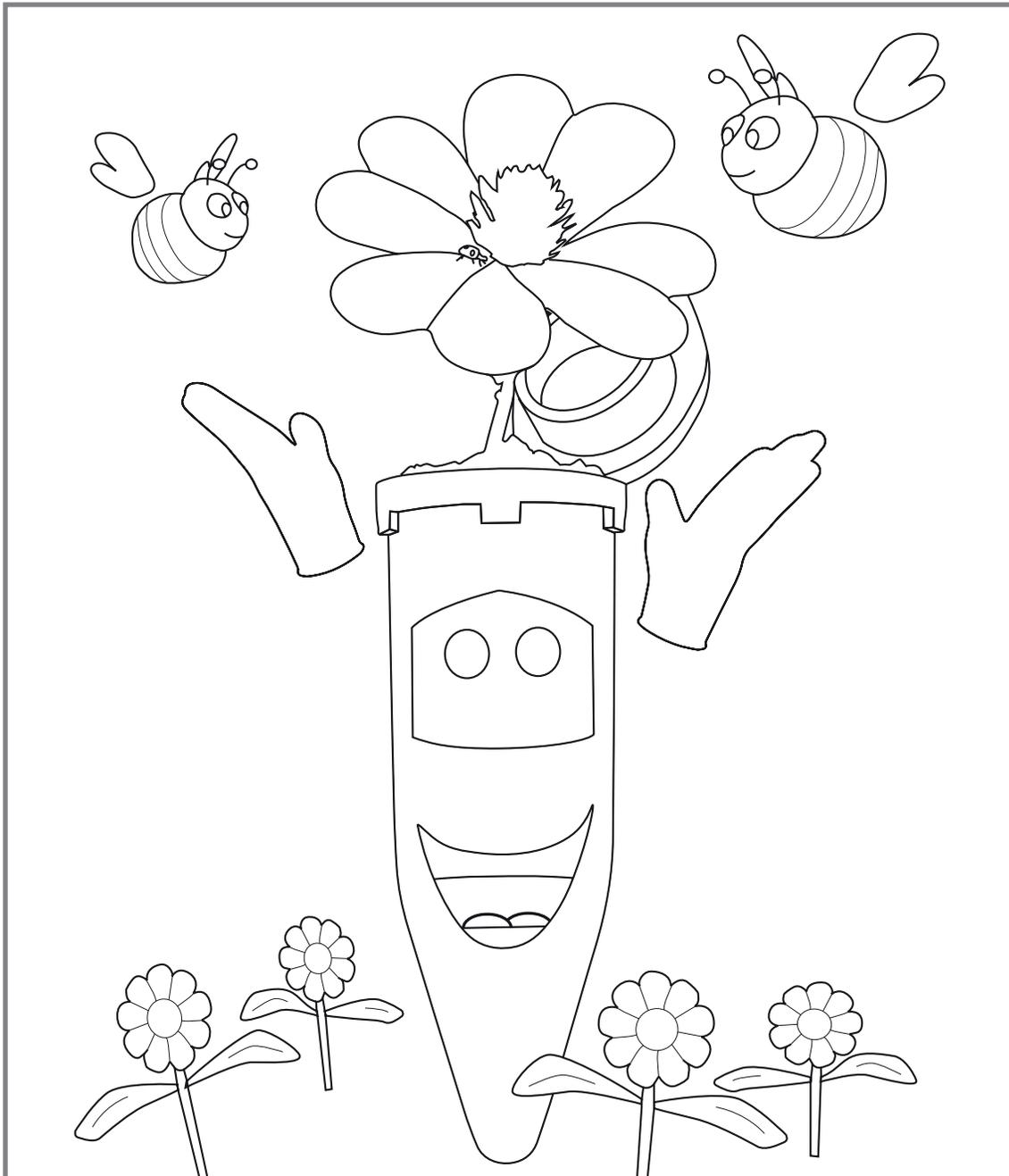
DID YOU KNOW

The Xplorer electronic pipette was designed using the “3 Spheres Model” under the PhysioCare Concept®. The “3 Spheres Model” requires the development of each product to adhere to ergonomic guidelines, including harmonization to the workplace and improvement of processes to enhance workflow.

See more: www.eppendorf.com/XplorerPhysioCare

Color Me Eppi

Who doesn't love coloring? Color the picture below and post it on Twitter with **#EppendorfColoringFun** and just see how many likes you get!



Stress in the Lab Reduces Productivity

Constant noise can cause stress and discomfort, hindering productivity and diminishing workplace satisfaction. Centrifuge 5425 is the whisper-quiet lab standard for microcentrifugation, ergonomically designed to provide top level comfort and stress-free work.



WHY YOU WILL LOVE IT

- ▶ Optimize separation with 10 acceleration and breaking ramps
- ▶ Enjoy industry-leading ergonomic comfort – a must for modern and high-throughput labs
- ▶ Experience the OptiBowl® design, offering quiet operation even without a rotor lid
- ▶ Boost productivity with 3 program buttons and one-touch short spin



SAVE TODAY



Get Centrifuge 5425 with Rotor FA-24x2 and receive a FREE Repeater M4 pipette (subject to availability).

- ▶ **\$2,999** – Cat. No. 2231000767: Centrifuge 5425, keypad, non-refrigerated, with Rotor FA-24x2 and Repeater M4
- ▶ **\$2,999** – Cat. No. 2231000768: Centrifuge 5425, knob, non-refrigerated, with Rotor FA-24x2 and Repeater M4



DID YOU KNOW

Centrifuge 5425 is the quietest Eppendorf centrifuge available on the market – but that's not all. It's full of features that improve and streamline workflow, including automatic lid opening at the end of the run. This helps prevent warming and allows for easy access to samples.



Limited by Space in Your Lab?

If you have minimal space to spin, the refrigerated Centrifuge 5430 R is the solution for a wide range of applications. Delivering the versatility of a multipurpose centrifuge in the footprint of a microcentrifuge, the 5430 R is the space-saving, economical option for tubes and plates.



WHY YOU WILL LOVE IT

- ▶ Continuous cooling maintains a constant temperature after the run has been completed to protect temperature-sensitive samples
- ▶ 12 rotor options allow for spinning of 0.2 mL PCR tubes, up to 50 mL conical tubes and plates
- ▶ Automatic ECO shut-off reduces energy consumption when the centrifuge is not in use
- ▶ Enjoy easy usability with automatic rotor recognition and imbalance detection



SAVE TODAY



Get Centrifuge 5430 R with aerosol-tight 48 x 2 mL Rotor and receive the 2 x MTP Rotor for FREE.

- ▶ **\$9,995** – Cat. No. 2231000769: Centrifuge 5430 R, keypad, with aerosol-tight 48 x 2 mL rotor, plus a free A-2-MTP plate rotor
- ▶ **\$9,995** – Cat. No. 2231000770: Centrifuge 5430 R, knob, with aerosol-tight 48 x 2 mL rotor, plus a free A-2-MTP plate rotor



DID YOU KNOW

Centrifuge 5430 R can save you time and help your lab increase energy efficiency, but did you know it can generate more accurate results faster? Centrifugation at 30,000 x *g* in plasmid DNA precipitation enables improved recovery rates and shorter centrifugation times.

Read the complete App Note:
www.eppendorf.com/AppNote234

Unreliable Equipment Sabotages Progress

Don't risk your progress or results. With a proven track record, Centrifuge 5810 R is manufactured to the highest industry standards for unparalleled quality, dependability, and durability.



WHY YOU WILL LOVE IT

- ▶ Say goodbye to unreliable equipment, repeated steps, and unreproducible results
- ▶ Combine speed and capacity with high quality, superior temperature control, and ergonomic operation for optimal centrifugation
- ▶ Protect yourself and your lab from hazardous substances with aerosol-tight caps



SAVE TODAY



Buy Centrifuge 5810 R with Rotor S-4-104 and 15/50 mL adapters and get A-2-DWP-AT Rotor (including buckets, plate carriers, and aerosol-tight caps) FREE.

- ▶ **\$14,995** – Cat. No. 2231000771: Centrifuge 5810 R, keypad, refrigerated, with Rotor S-4-104 incl. adapters for 15/50 mL conical tubes plus rotor A-2-DWP-AT, incl. 2 buckets, 2 aerosol-tight caps and 2 plate carriers



DID YOU KNOW

Centrifuge 5810 R is exceptionally versatile, with a plate rotor for centrifugation of all types of MTP, PCR, cell culture, or deep well plates. To get the most out of your centrifuge and keep it operating at peak performance, make sure to perform regular maintenance.

See more in our white paper:
www.eppendorf.com/whitepaper14

Shared Equipment Slowing You Down?

Switching rotors and buckets can be time-consuming, and waiting for others to finish using a centrifuge reduces efficiency. Speed up your workflow with the dynamic refrigerated Centrifuge 5910 R and its universal rotor while optimizing efficiency with the addition of a free air-cooled Centrifuge 5420.



WHY YOU WILL LOVE THEM

- ▶ Centrifuge 5910 R maximizes versatility for a variety of applications with its universal swing-bucket rotor, which enables spinning of tubes, plates, and bottles up to 1 L without the need to change rotors or buckets
- ▶ Centrifuge 5420 supports your spin column-based nucleic acid purification and gel-extraction workflows by spinning up to 24 x 1.5/2.0 mL tubes at speeds up to 21,300 x *g*



SAVE TODAY



Purchase Centrifuge 5910 R with S-4xUniversal Rotor and adapters for 5/15/50 mL tubes and plates and get Centrifuge 5420 with Rotor FA-24x2 for FREE, while supplies last.

- ▶ **\$15,995** – Cat. No. 2231000772: Centrifuge 5910 R with Rotor S-4xUniversal, incl. universal buckets and adapters for 5 mL/15 mL/50 mL conical tubes and plates plus Centrifuge 5420, keypad, non-refrigerated, with aerosol-tight Rotor FA-24x2



DID YOU KNOW

You can achieve faster isolation of PBMC using Ficoll-Paque® Plus in the Eppendorf multipurpose benchtop Centrifuges 5920 R and 5910 R.

See more: www.eppendorf.com/AppNote372

Workflow Disruptions Limit Productivity

PCR is routinely used either for DNA amplification or incubation steps in many genomic workflows. Factors such as sample loss due to evaporation, inconsistent results from well to well, and difficult programming and optimizing protocols on a thermocycler can cause disruptions that make it difficult to meet project milestones.

Having a reliable thermocycler in the lab can help increase overall productivity by limiting issues that can prolong experiments necessary for next steps in a project. Therefore, when adding a thermocycler to the lab it is important to look for tight lid sealing, consistent block temperature, ease of use, and overall quality.

If it's increased productivity and flexibility in the lab you want, it's the Mastercycler® nexus you need. Featuring a universal block to fit most consumables and flexlid ensuring limited sample loss due to evaporation, it's the perfect solution for labs using their cyclers for a wide variety of applications.

PRODUCTIVITY, QUALITY, AND REPRODUCIBILITY GUARANTEED

Experience ultimate flexibility to meet your application needs and generate reproducible, reliable, and accurate results – all with greater efficiency.

- ▶ Streamline your workflow with a universal block and flexlid for consumable flexibility
- ▶ Run two independent PCR protocols in parallel and connect up to 2 additional eco units



DID YOU KNOW

One of the fundamental requirements of a thermal cycler is accurate temperature performance for reliable results. We put the Mastercycler nexus to the test and found it has excellent block homogeneity minimizing any variability in PCR runs.

See more: www.eppendorf.com/AppNote244

Sharing isn't Always Caring

Sharing a thermocycler can limit productivity by minimizing the number of experiments taking place. Get more done with the Mastercycler® nexus gradient bundle and X2e(ec) bundle and give your busy lab the flexibility it needs to thrive.



WHY YOU WILL LOVE IT

- ▶ Optimize workflows by running multiple protocols in parallel for various applications with 2 independent blocks on the X2e and 12 column gradient function on the nexus
- ▶ Enjoy high quality thermocyclers with consistent block temperature and limited evaporation with the flexlid



SAVE TODAY



Get the Mastercycler nexus gradient and X2e bundle and save 35% off the regular price.

- ▶ **\$9,450** – Cat. No. 2231000766: Mastercycler nexus gradient, 110 V/50–60 Hz and Mastercycler nexus X2e, 100–110 V/50–60 Hz



Tied Down by Bottlenecks in your PCR Workflow?

Having a thermocycler specific to a consumable or lid type can disrupt your processes in the lab. Get ultimate flexibility with the Mastercycler nexus for a streamlined workflow.



SAVE TODAY



Get the Mastercycler nexus or nexus gradient and save 40% off the regular price.

- ▶ **\$4,350** – Cat. No. 2231000764: Mastercycler nexus, 115 V/50–60 Hz
- ▶ **\$4,899** – Cat. No. 2231000765: Mastercycler nexus gradient, 115 V/50–60 Hz

WHY YOU WILL LOVE IT

- ▶ Enjoy total consumable flexibility with the nexus universal block and flexlid
- ▶ Eppendorf is a trusted brand – experience the peace of mind that comes with reliability

Grappling with Low Productivity or Long Time to Market?



Whether you're in the academic space and struggling with low productivity or the biotech or pharma space facing slow time to market, you know that cells can be difficult to grow.

You need reliable, precise, controlled, and scalable cell growing devices – for this, Eppendorf's CellXpert®, S44i, and BioFlo® 320 are your solutions.

Eppendorf's cell growing devices ensure accuracy and precision from R&D through to production.

- ▶ Shakers offer high temperature uniformity, multi-step programs, and more
- ▶ CO₂ incubators offer precise temperature control and fast recovery
- ▶ Bioreactors offer universal control for both fermentation and mammalian cell culture

OPTIMIZE YOUR FERMENTATION AND CELL CULTURE WORKFLOWS

Your fermentation workflows begin with shakers, which are crucial for inoculum preparation. Fermenters are the next step in growth and process scale-up. Similarly, CO₂ incubators are vital for cell line establishment within a cell culture workflow. Bioreactors come into the fold next for increased production.



DID YOU KNOW

Shakers and bioreactors are both vital tools for bioprocessing, but each is unique. Explore the differences in functionalities, benefits, and performance.

See more: www.eppendorf.com/cellculturetools

Limited Lab Space Can Hinder Productivity

Save lab space and increase application versatility with the Innova® 42 and 42 R. These shakers are extremely flexible in their placement and configuration options.



SAVE TODAY

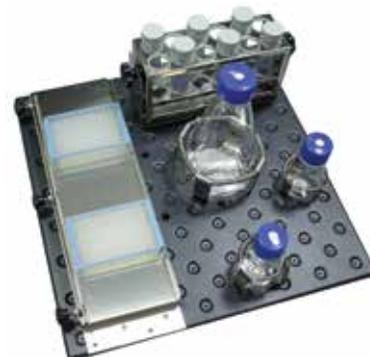


Purchase an incubated or refrigerated Innova 42 shaker with a universal platform and save up to 16%.

- ▶ **\$9,995** – Cat. No. 2231000755: Innova 42 incubated shaker, 3/4" agitation orbit. Universal platform included.
- ▶ **\$9,995** – Cat. No. 2231000756: Innova 42 incubated shaker, 1" agitation orbit. Universal platform included.
- ▶ **\$11,500** – Cat. No. 2231000757: Innova 42R incubated and refrigerated shaker, 3/4" agitation orbit. Universal platform included.
- ▶ **\$11,500** – Cat. No. 2231000758: Innova 42R incubated and refrigerated shaker, 1" agitation orbit. Universal platform included.

WHY YOU WILL LOVE IT

- ▶ Save space by stacking units or positioning on or under a standard height lab bench
- ▶ Improve the versatility of your lab: height adjustable static shelf allows simultaneous shaking and static culture with different vessels
- ▶ Benefit from configurable platforms that accommodate tubes, microplates and flasks up to 6 L



Temperature Variances Lead to Irreproducibility

Inconsistent cell growth can result from changes in temperature, leading to unreproducible results. Ensure temperature homogeneity and fast recovery times with CellXpert® CO₂ incubators.



WHY YOU WILL LOVE IT

- ▶ Precise temperature uniformity throughout the incubator chamber
- ▶ Fast gas and temperature recovery without setpoint overshoot
- ▶ State-of-the-art dual channel IR-sensor
- ▶ Protection from vibrations and turbulence with fanless incubator design



SAVE TODAY



Get 17% off the purchase of two CellXpert C170 CO₂ incubators with a complete Stacking Kit.

- ▶ **\$14,995** – Cat. No. 2231000759: 2x CellXpert C170 non-segmented inner door, handle right side, 120 V/50 – 60 Hz, includes lower stand with casters and stacking kit



DID YOU KNOW

The CellXpert CO₂ incubators were tested and verified based on a specialized German norm (DIN 12880:2007-05), during which 27 probes were used for measuring the temperature at different spots inside the incubator. The CellXpert CO₂ incubators provide a reliable and homogeneous temperature distribution throughout the complete chamber.

See more: www.eppendorf.com/cellxperthomogeneity

Struggling to Trace and Document Data?

Market regulations and experiment standardization may require you to record and trace all instrument data, including temperature, CO₂ concentration and humidity. With the CellXpert®, you can monitor and record all parameters.



WHY YOU WILL LOVE IT

- ▶ Filter and export performance charts, events, or HTD-protocols within seconds via Ethernet or front USB-ports
- ▶ Remote Device Monitoring and Alert Notifications with VisioNize®



SAVE TODAY



Get 18% off on the purchase of your CellXpert C170i CO₂ incubator with humidity monitoring.

- ▶ **\$9,295** – Cat. No. 2231000760: CellXpert C170i, non-segmented inner door, handle right side, water tray and humidity monitoring package, 120 V/50 – 60 Hz



Need to Mimic Hypoxic Physiologic Conditions?

If you can't mimic cell's natural environment, it's difficult to gain relevant results. The CellXpert C170i with O₂ control mimics hypoxic physiological conditions found in tumors and stem cell niches.



SAVE TODAY



Save 18% off on the purchase of a CellXpert C170i CO₂ incubator with oxygen control.

- ▶ **\$9,452** – Cat. No. 2231000761: CellXpert C170i, non-segmented inner door, right handle, 1–20% oxygen control
- ▶ **\$10,750** – Cat. No. 2231000762: CellXpert C170i, 4-split inner door, handle right side, 1–20% oxygen control
- ▶ **\$11,450** – Cat. No. 2231000763: CellXpert C170i, 4-split inner door, handle right side, 0.1–20% oxygen control

WHY YOU WILL LOVE IT

- ▶ Deeper in the tissues, oxygen concentrations vary (<0.1–5% in solid tumors; 0.5 to 7% in the brain; 3–6% in stem cell niches)
- ▶ Get more relevant results choosing between 0.1-20% or 1-20% O₂ control
- ▶ 4-split inner door for more stable growth conditions and low gas consumption

Need to Scale Up but Worried About Increasing Costs and Time?

So, you need to scale up an antibody workflow. You're concerned that an increase in production will result in higher costs, greater time, and more batch-to-batch differences. You're right to have reservations – safeguarding consistency in growth and batch yield is a challenge as is. Add scaling up into the mix, and you've got quite the hurdle to overcome.

There are many critical parameters to maintain in an antibody production workflow. These parameters include temperature, oxygen levels, nutrients, pH, and humidity. Growing cells are also sensitive to vibrations. The S41i, BioFlo® 320, and other Eppendorf products can be used to address these needs to ensure a significant yield.



KEEP CONSISTENT WITH FEATURE-RICH EQUIPMENT

Keeping parameters, such as inoculum density, constant is key to ensuring consistency when scaling up. Eppendorf products – like the S41i and BioFlo 320 – enable this.

- ▶ Enjoy constant and optimal temperature, moisture, pH, nutrient, and oxygen levels
- ▶ Eliminate inconsistent cell growth to ensure reproducibility when scaling up
- ▶ Reap the rewards of temperature uniformity, easy-to-use interfaces, and more



DID YOU KNOW

Nanoantibodies are unique antibodies. They are single-domain antibody fragments derived from camelid heavy-chain only antibodies. Benefits include high affinity, higher stability, and lower production costs. Currently, nanoantibodies are used in research environments, with many studies on animal nanoantibodies showing potential for therapeutic protection against common human diseases.



The Challenge of Inconsistent Cell Growth

Creating the right cell growth environment requires precise temperatures, nutrients, oxygen, and pH. The BioFlo® 320 bioreactor and S41i CO₂ incubator shaker implement accurate process control for reproducible yields.

WHY YOU WILL LOVE THEM

- ▶ Maintain consistent parameters to prevent variations in cell density and contamination
- ▶ Easily maintain constant parameters during the scaling up and down of production
- ▶ Benefit from the S41i's saving of gas as it creates an optimal growing atmosphere



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, CO₂ incubator shaker with inner static shelf and touch screen control, 120 V, orbit 2.5 cm (1 in) with Universal Platform



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.

Unreliable Data Puts Your Research in Jeopardy

The ability to track the sample through its research journey is extremely important to produce trustworthy data. A sample goes through multiple liquid handling transfers, devices necessary for testing or producing results and periods of either short or long-term storage. In this journey, sample labels can fall off or become hard to read, especially if they are hand-written. Freezer alarms can also sound when no one is in the lab to respond, putting samples at risk. These types of challenges are just the tip of the iceberg when it comes to storing and tracking your samples.

Eppendorf's sample management solution empowers you to store, identify, and track samples with ease, all while ensuring your samples – and your data – remain safe and protected.

SafeCode sample vessels are labeled with 3 levels of coding to ensure traceability and can be safely stored in high-performance CryoCube® ULT freezers for complete sample protection. For added peace of mind, VisioNize® enables electronic notification of freezer alarms and events, while eLABJournal® and eLABInventory provide dependable documentation and reliable data management throughout the sample's journey in the lab.

eLABJournal FREE 30 DAY TRIAL



Seamlessly integrate all aspects of your daily research routine such as your protocols, sample data, and lab equipment using eLABJournal. With centralized and comprehensive reporting, eLABJournal is a great solution in a GxP compliant, ISO-certified environment.

Try today at: elabjournal.com/account-registration



DID YOU KNOW

Embrace future-proof cold storage with the CryoCube®. The F740hi features natural, eco-friendly coolants and is the first ULT freezer to receive the ACT label for its low environmental impact.

See our CryoCube F740hi promotions on page 25.



YOU AND YOUR LAB. CONNECTED.

Digitalization can provide tremendous benefits such as increased productivity, sample security and improved data management. With VisioNize you can:

- ▶ Monitor your lab devices from anywhere and spend more time on your research
- ▶ Receive notifications of events and alarms to address issues quickly
- ▶ Ensure your samples are secure for peace of mind



DID YOU KNOW

Not long ago, security was a leading reason people were hesitant to transition to cloud computing. Now, security is one of the chief benefits of migrating to the cloud. With superior agility, improved uptime, lower costs, and enhanced data security, cloud solutions like VisioNize are leading the digital lab space.

See more: www.eppendorf.com/DigitalSolutions



Is Your ULT an Energy Hog?

Promotion Coming Soon!

Some ULT freezers use huge amounts of energy, while others designed to conserve energy don't perform as well to protect your valuable samples. Eppendorf's high-performance CryoCube® F570 series is now available with natural hydrocarbon refrigerants to reduce environmental impact while ensuring your samples remain safe and protected.



WHY YOU WILL LOVE IT

- ▶ Minimize operating costs while providing superior protection for your critical samples
- ▶ Enjoy quick pull-down times, short recovery times, and temperature uniformity throughout the chamber
- ▶ Store up to 40,000 samples with a 20 ft³ (570 L) capacity



Inquire with your sales representative for availability of CryoCube promotions.

COMING SOON

Purchase the CryoCube F570n or F570h for a special price and get free side-access racks included.

- ▶ **Inquire for pricing** – Cat. No. 2231000794: CryoCube F570n ULT Freezer, standard foam insulation, 5 shelves, door handle left, 120 V/60 Hz, with 15 stainless steel side-access racks for 2" boxes
- ▶ **Inquire for pricing** – Cat. No. 2231000795: CryoCube F570n ULT Freezer, standard foam insulation, 5 shelves, door handle left, 208 V/60 Hz, with 15 stainless steel side-access racks for 2" boxes
- ▶ **Inquire for pricing** – Cat. No. 2231000796: CryoCube F570h ULT Freezer, vacuum insulation panels, 5 shelves, door handle left, 120 V/60 Hz, with 15 stainless steel side-access racks for 2" boxes



DID YOU KNOW

At Eppendorf, we are committed to Accountability, Consistency, and Transparency in reducing environmental impact and providing our customers with sustainable products. Many CryoCube ULT freezer models, including the F570h, are ACT-labeled and ENERGY STAR® certified. The ACT label scores a product's environmental impact based on multiple sustainability factors, such as manufacturing, packaging, energy consumption, and recyclability.

See more: www.eppendorf.com/ACTlabel

Running Out of Freezer Space?

Promotion
Coming Soon!

Are you struggling to fit all your samples in your ULT freezer? The CryoCube® F740 series provides increased capacity to store more. With 26 ft³ of space, the F740hi and F740h can accommodate up to 576 freezer storage boxes (2" tall). That's over 57,000 samples!



Inquire with your sales representative for availability of CryoCube promotions.

COMING SOON

Purchase the CryoCube F740hi or CryoCube F740h for a special price and get free side-access racks included.

- ▶ **Inquire for pricing** – Cat. No. 2231000799: CryoCube F740hi ULT Freezer, touchscreen interface, 3 shelves, door handle left, 120 V–208 V/60 Hz, with 12 stainless steel side-access racks for 2" boxes
- ▶ **Inquire for pricing** – Cat. No. 2231000800: CryoCube F740hi ULT Freezer, touchscreen interface, 5 shelves, door handle left, 120 V–208 V/60 Hz, with 18 stainless steel side-access racks for 2" boxes
- ▶ **Inquire for pricing** – Cat. No. 2231000797: CryoCube F740h ULT Freezer, 3 shelves, door handle left, 120 V–208 V/60 Hz, with 12 stainless steel side-access racks for 2" boxes
- ▶ **Inquire for pricing** – Cat. No. 2231000798: CryoCube F740h ULT Freezer, 5 shelves, door handle left, 120 V–208 V/60 Hz, with 18 stainless steel side-access racks for 2" boxes

WHY YOU WILL LOVE IT

- ▶ Choose from 3-shelf or 5-shelf options to optimize the space for your storage needs
- ▶ Reduce energy consumption with environmentally-friendly refrigerants and high-quality insulation
- ▶ Add an extra level of security with the advanced touchscreen interface of the CryoCube F740hi, featuring unique user access and electronic locking

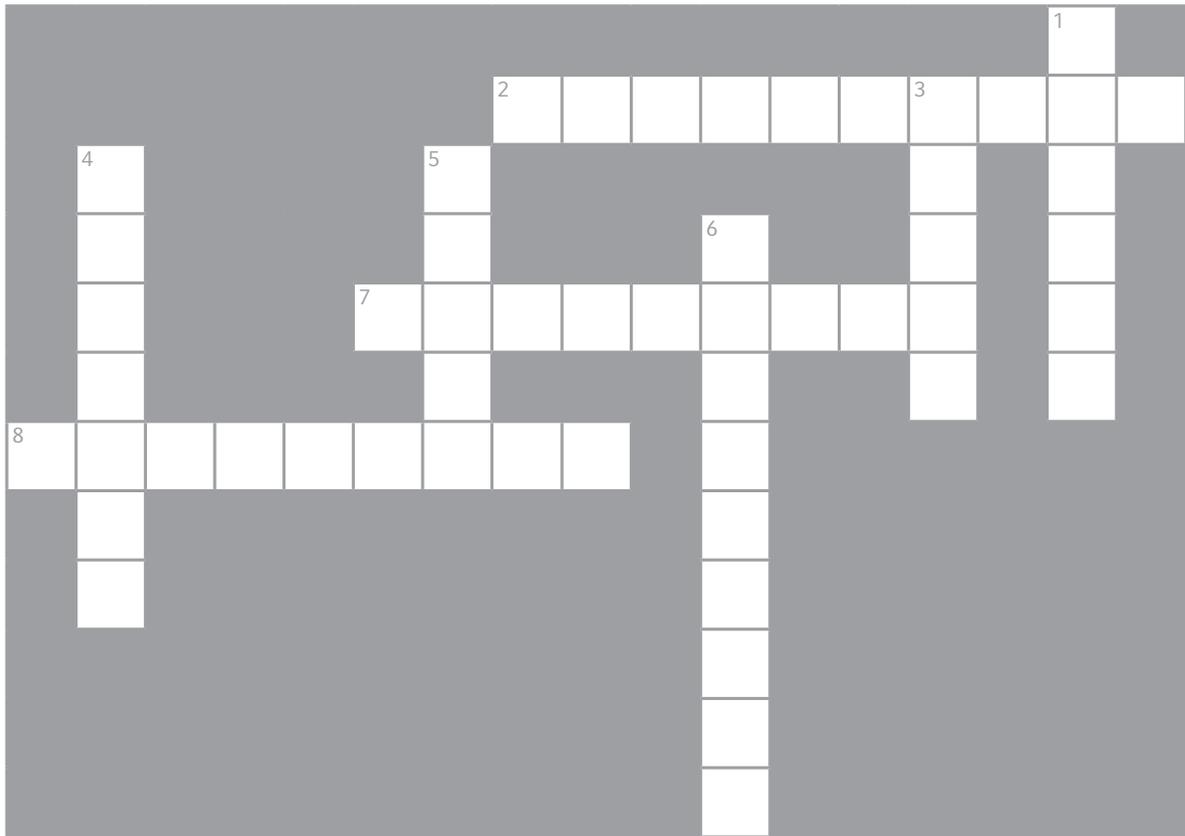


DID YOU KNOW

The CryoCube F740hi seamlessly connects to VisioNize, a remote laboratory monitoring system and digital platform that enables freezer alarm and event notifications to be delivered directly to your email or mobile device.

Learn more about VisioNize at:
www.eppendorf.com/VisioNize

Crossword Puzzle



DOWN

- 1 Research plus pipettes received this Seal of Quality from Select Science ranking them in the top 0.1% of products used in the lab.
- 3 Number of levels of coding on SafeCode vessel labels.
- 4 Cell culture workflows begin with _____ which are crucial for inoculum preparation.
- 5 _____ can cause stress and discomfort in the lab which is why the whisper-quiet Centrifuge 5425 is the lab standard for microcentrifugation.
- 6 The _____ block fits most consumables and ensures a tight seal, limiting sample loss, when using Mastercycler nexus.

ACROSS

- 2 Maintain consistent _____ to prevent variations in cell density and contamination.
- 7 Lab monitoring that allows you to remotely monitor your Eppendorf lab devices such as ULT freezers, CO₂ incubators and bioprocess controller.
- 8 Mimic hypoxic physiological conditions found in tumors and stem cell niches with this CO₂ incubator.

How Do YOU Order Eppendorf Products?





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