



Endless Possibilities

Eppendorf Microcentrifuges



Meet the Next Generation in Microcentrifugation

We introduced our very first centrifuge in 1964 as an integral part of the Eppendorf Microliter System, and revolutionized laboratory practices worldwide. To this day, the Eppendorf name remains synonymous with creative design, innovative technology, and reliable performance that stand the test of time.

The Eppendorf approach to product development is about listening to our customer's needs, understanding daily laboratory routines, and anticipating future trends. The result is a comprehensive line of microcentrifuges that serve the multiple applications you encounter in your lab – whether you just have to spin a few tubes at a time or need the extra versatility for handling plates and larger volume tubes directly on your lab bench.

Our goal is to provide you with a product solution that not only leaves you thoroughly satisfied but that is also fun to work with. That is why Eppendorf microcentrifuges are designed to go beyond speed and capacity to offer you unparalleled ergonomic operation and superior temperature management. You will not only experience enhanced performance, but also exceptional joy in their use.

With this sound fundamental experience Eppendorf is proud to serve you as your expert partner in microcentrifugation.

Ergonomic Operation

To make your daily routines faster and easier we strongly focus on the ergonomic aspects of our products. Today Eppendorf microcentrifuges set the standards in terms of design and user-friendliness. These key success factors have also been awarded the »excellent! Universal Design« certificate of the TÜV Nord organization.



Virtually silent operation

Eppendorf centrifuges are designed for whisper quiet operation to benefit your work environment – you can work right next to them while they are running.



Soft-touch lid closure

All our centrifuges are equipped with a soft-touch one-finger lid closure. Just lower the lid gently and it will lock automatically. No more pressing or slamming down the lid.



Intuitive operation

Large, full-digit displays, and intuitively labeled keys make operation super simple.



Eppendorf QuickLock® rotors

Our aerosol-tight Eppendorf QuickLock rotors close with only ¼ of a turn. This not only saves you time but also takes repetitive stress off your wrist.



MiniSpin®/MiniSpin® plus

Entry-level centrifuges

Powerful and easy-to-use MiniSpin and MiniSpin plus microcentrifuges are small enough so that each workstation can be equipped with a »personal« centrifuge.

Ordering information

| Description | Order no. |
|---|--------------|
| MiniSpin®, with 12 × 1.5/2.0 mL rotor | * |
| MiniSpin® plus, with 12 × 1.5/2.0 mL rotor | * |
| Rotor 2 × PCR-strip, with lid (F-55-16-5-PCR) | 5452 727.007 |
| Adapter for all 1.5/2.0 mL microcentrifuge rotors | |
| Adapter for 0.2 mL PCR tubes (set of 6) | 5425 715.005 |
| Adapter for 0.4 mL tubes (set of 6) | 5425 717.008 |
| Adapter for 0.5 mL tubes and 0.6 mL Microtainer® (set of 6) | 5425 716.001 |

All listed models are 230 V/50–60 Hz.

Product features

- > Capacity: 12 × 1.5/2.0 mL, 2 × PCR strip
- > Speed up to 12,100/14,100 × g (13,400/14,500 rpm)
- > Extremely compact footprint
- > Digital display for reproducible setting of time and speed
- > Rotor, inner centrifuge lid and lid latch are made of metal for maximum operational safety
- > Soft-touch lid closure for ergonomic lid locking
- > Lid opens automatically at the end of the run to prevent sample warming and to allow easy access to samples

Additional features of MiniSpin plus

- > Automatic rpm/rcf conversion
- > Extended time to 99 min or continuous centrifugation

* For ordering information, please check our local website or contact your local sales representative.



www.eppendorf.com/minispin



Centrifuge 5418/5418 R

Medium capacity

Centrifuges 5418 and 5418 R with their 18-place capacity rotors are specifically designed for low to medium capacity in 1.5/2.0 mL tubes and Microtainer®.

Ordering information

| Description | Order no. |
|---|--------------|
| Centrifuge 5418 | |
| with 18 × 1.5/2.0 mL aerosol-tight QuickLock rotor | * |
| Centrifuge 5418 R (refrigerated) | |
| with 18 × 1.5/2.0 mL aerosol-tight QuickLock rotor | * |
| Adapter for all 1.5/2.0 mL microcentrifuge rotors | |
| Adapter for 0.2 mL PCR tubes (set of 6) | 5425 715.005 |
| Adapter for 0.4 mL tubes (set of 6) | 5425 717.008 |
| Adapter for 0.5 mL tubes and 0.6 mL Microtainer® (set of 6) | 5425 716.001 |

All listed models are 230 V/50–60 Hz.

Product features

- > Capacity: 18 × 1.5/2.0 mL
- > Speed up to 16,873 × *g* (14,000 rpm)
- > Compact footprint to fit on crowded lab benches
- > OptiBowl® design allows for whisper quiet operation without rotor lid to benefit your work environment
- > Soft-touch one-finger lid closure for ergonomic operation
- > Automatic lid opening at the end of the run – prevents sample warming and allows easy access to samples
- > Aerosol-tight rotor for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® rotor allows fast and ergonomic lid locking

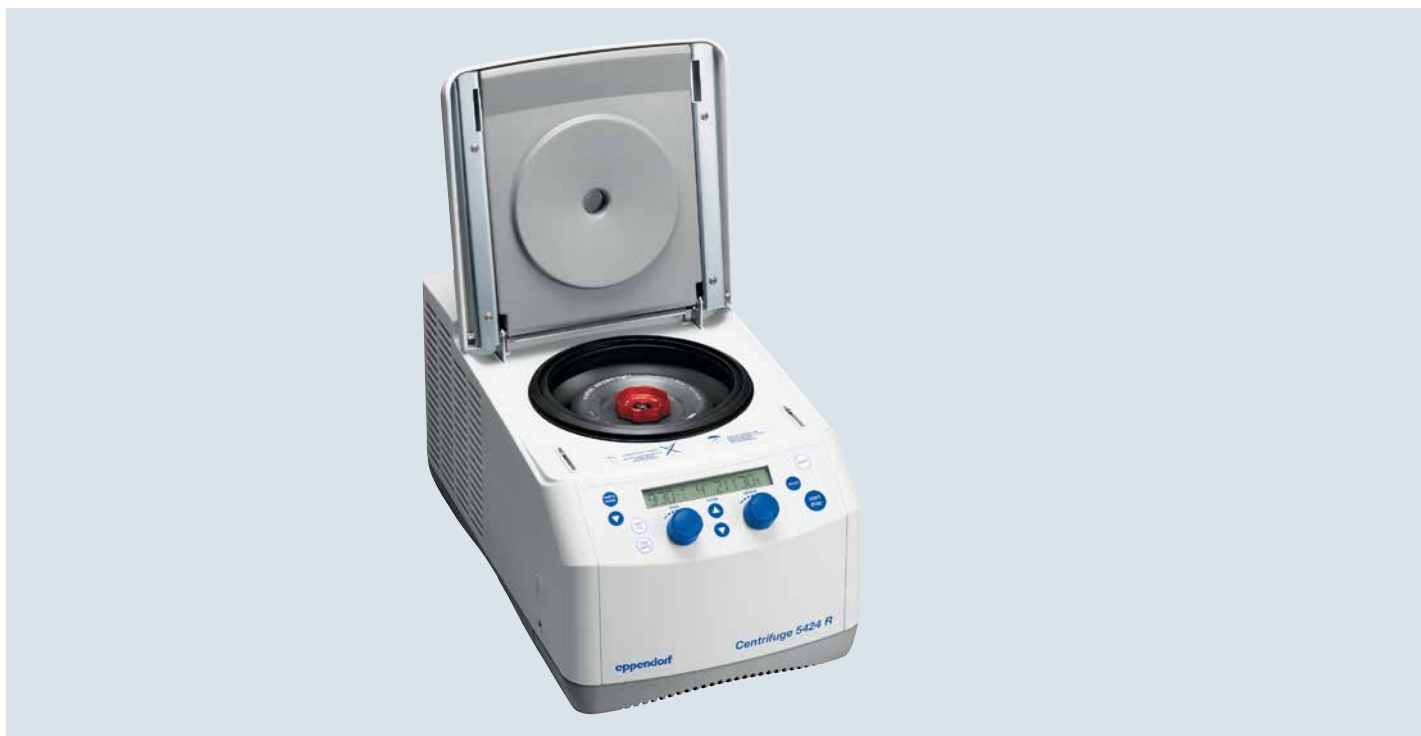
Additional features of refrigerated Centrifuge 5418 R

- > Temperature range from 0°C to 40°C
- > FastTemp function for fast pre-cooling and maximum temperature accuracy inside the rotor
- > ECO shut-off engages after 8 hours of nonuse to reduce energy consumption (47% overnight) and extends compressor life (can be deactivated)

* For ordering information, please check our local website or contact your local sales representative.

www.eppendorf.com/centrifuge-5418





Centrifuge 5424 R

The laboratory standard

The Centrifuge 5424 R is the laboratory standard. With its 24-place capacity and speed up to $21,130 \times g$ it is perfectly equipped for all applications in Eppendorf and PCR tubes. When working with Miniprep spin column kits – the Eppendorf Kit rotor® with raised rim solves the issue of open tube caps shearing off during the elution step.

Centrifuge 5424 R features state of the art cooling technology to ensure energy efficiency and high temperature accuracy for maximum sample protection. For ease-of-operation and time savings, Centrifuge 5424 R cools down to 4°C in only 8 minutes.

Product features

- > Capacity: $24 \times 1.5/2.0$ mL, $4 \times$ PCR strips
- > Speed up to $21,130 \times g$ (15,000 rpm)
- > OptiBowl design allows for whisper quiet operation without rotor lid
- > Soft-touch one-finger closure for ergonomic operation
- > Temperature range from -10°C to 40°C
- > ECO shut-off engages after 8 hours of nonuse to reduce energy consumption (42 % overnight) and extend compressor life (can be deactivated in menu)
- > Built-in condensation drain to eliminate water accumulation



Aerosol-tight rotor for 24 × 1.5/2.0 mL tubes provides speed up to 21,130 × *g*/15,000 rpm. (FA-45-24-11; Order no. 5424 702.007).



Eppendorf Kit rotor for 18 × spin columns and 1.5/2.0 mL tubes with speed up to 18,111 × *g*/15,000 rpm. This rotor is designed with an extended rim that protects tube caps from shearing off (FA-45-18-11-Kit; Order no. 5424 706.002).



Aerosol-tight rotor for 24 × 1.5/2 mL tubes with PTFE-coating for high chemical resistance. Provides speed up to 21,130 × *g*/15,000 rpm (FA-45-24-11-Special; Order no. 5424 700.004).



4 × PCR-strip rotor for centrifugation up to 18,615 × *g*/15,000 rpm (F-45-32-5-PCR; Order no. 5424 704.000).

Ordering information

| Description | Order no. Knob | Order no. Keypad |
|---|-------------------|---------------------|
| Centrifuge 5424 R (refrigerated) | | |
| with 24 × 1.5/2.0 mL aerosol-tight rotor | * | * |
| without rotor | * | * |
| Adapter for all 1.5/2.0 mL microcentrifuge rotors | Order no. | |
| Adapter for 0.2 mL PCR tubes (set of 6) | 5425 715.005 | |
| Adapter for 0.4 mL tubes (set of 6) | 5425 717.008 | |
| Adapter for 0.5 mL tubes and 0.6 mL Microtainer® (set of 6) | 5425 716.001 | |

All listed models are 230 V/50–60 Hz.

* For ordering information, please check our local website or contact your local sales representative.

www.eppendorf.com/centrifuge-5424





Centrifuge 5425

This 24-place centrifuge has been engineered to be extremely quiet. Short runs up to 12 minutes are whisper quiet at an average of 45 dB(A). This is sufficient for centrifugation steps of most routinely used DNA/RNA purification kits. During longer runs the cooling fan works at full capacity to dissipate the heat for the remainder of the run. Centrifuge 5425 is the successor of the legendary Centrifuge 5424. It has everything you loved before plus great new features to make everyday work more enjoyable.

Product features

- > Whisper quiet microcentrifuge for stress-free work
- > Aerosol-tight Eppendorf QuickLock® lids for simple and safe handling
- > Outstanding software features (e.g. 10 acceleration and braking ramps, 3 program buttons, short function without continuous pressing of the key)
- > Extended rotor program (e.g. 5.0 mL rotor, swing-bucket rotor for PCR strips)
- > OptiBowl® design for quiet operation, even without a rotor lid
- > Soft-touch one-finger lid closure for ergonomic operation
- > Automatic lid opening at the end of the run – prevents sample warming and allows easy access to samples
- > Max. rotor capacity: 10 × 5.0 mL vessels
- > Max. speed: 21,300 × g (15,060 rpm)

Ordering information

| Description | Order no. |
|---|--------------|
| Centrifuge 5425, non-refrigerated, without rotor, keypad, 230 V/50 – 60 Hz | 5405 000.310 |
| Centrifuge 5425, non-refrigerated, without rotor, rotary knobs, 230 V/50 – 60 Hz | 5405 000.719 |
| Centrifuge 5425, non-refrigerated, with Rotor FA-24x2, keypad, 230 V/50 – 60 Hz | 5405 000.115 |
| Centrifuge 5425, non-refrigerated, with Rotor FA-24x2, rotary knobs, 230 V/50 – 60 Hz | 5405 000.514 |

* For ordering information, please check our local website or contact your local sales representative.



www.eppendorf.com/-5425

**Rotor FA-24x2**

- > Max. speed: 21,300 × *g* (15,060 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid

**Rotor FA-24x2-PTFE**

- > Max. speed: 21,300 × *g* (15,060 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock
- > PTFE coating for increased chemical resistance

**Rotor FA-10x5**

- > Max. speed: 21,300 × *g* (15,060 rpm)
- > Max capacity: 10 × Eppendorf Tubes® 5.0 mL
- > Aerosol-tight with Eppendorf QuickLock® lid

**Rotor FA-18x2 Kit**

- > Max. speed: 18,565 × *g* (15,060 rpm)
- > Rotor with higher edge for safe centrifugation of up to 18 spin columns
- > Aerosol-tight with Eppendorf QuickLock® lid

**Rotor F-32x0.2-PCR**

- > Max. speed: 18,134 × *g* (15,060 rpm)
- > for 4 × PCR strips or 32 × PCR tubes (0.2 mL)

**Rotor 96x0.2-PCR**

- > Max. speed: 3,217 × *g* (6,000 rpm)
- > New swing bucket rotor
- > for 12 × 8 PCR strips 0.1/0.2 mL or 4 × 1/4 twin.tec PCR plate 96, unskirted divisible or 96 × PCR tubes with 0.2 mL

Ordering information

| Description | Order no. |
|--|--------------|
| Rotor FA-24x2 , aerosol-tight, for 24 × 1.5/2.0 mL tubes, incl. aerosol-tight rotor lid | 5495 500.006 |
| Rotor FA-24x2-PTFE , aerosol-tight, with PTFE coating, for 24 × 1.5/2.0 mL tubes, incl. aerosol-tight rotor lid | 5495 503.005 |
| Rotor FA-10x5 , aerosol-tight, for 10 × 5.0 mL tubes (snap and screw cap), incl. aerosol-tight rotor lid | 5495 505.008 |
| Rotor FA-18x2-Kit , aerosol-tight, for 18 × 1.5/2.0 mL tubes or spin columns, incl. aerosol-tight rotor lid | 5495 508.007 |
| Rotor F-32x0.2-PCR , for 32 × 0.2 mL PCR tubes or 4 × 8 PCR strips, incl. rotor lid | 5495 510.001 |
| Rotor S-96x0.2-PCR , for 96 × 0.2 mL PCR tubes or 12 × 8 PCR strips, incl. buckets | 5495 512.004 |
| Adapter , for 1 tube 0.5 mL or microtainer, max. Ø 8 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 716.001 |
| Adapter , for 1 PCR tube 0.2 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 715.005 |
| Adapter , for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, set of 4 pcs. | 5820 768.002 |
| Adapter , for 1 cryo tube, for all 5.0 mL rotors, set of 4 pcs. | 5820 769.009 |
| Adapter , for 1 HPLC tube, for all 5.0 mL rotors, set of 4 pcs. | 5820 770.007 |
| Adapter , for 1 tube 0.4 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs. | 5425 717.008 |



Centrifuge 5427 R

High-throughput refrigerated microcentrifuge

Centrifuge 5427 R was designed with high-throughput applications in mind. With its aerosol-tight 48-place rotor it handles even the toughest challenges in a safe and reliable manner to provide you the efficiency boost you need. All aerosol-tight rotors, including the new rotors for Eppendorf Tubes® 5.0 mL as well as the 24 × 1.5/2.0 mL swing-bucket rotor, are equipped with Eppendorf QuickLock lids for easy rotor lid opening and closing.

Choose the Centrifuge 5427 R if a 24-place microcentrifuge (e.g., Centrifuge 5424 R) doesn't meet your needs regarding tube capacity and if you don't need the extra versatility our cross-over Centrifuge 5430 R can offer you.

Product features

- > Capacity: 48 × 1.5/2.0 mL, 12 × 5.0 mL
- > Speed up to 25,000 × g (16,220 rpm)
- > High-capacity 48-place rotor
- > Aerosol-tight Eppendorf QuickLock rotor lids allow for fast and ergonomic lid locking.
- > Whisper quiet operation due to optimized sound design
- > Soft-touch one-finger closure for ergonomic operation
- > Temperature range from -10°C to 40°C
- > FastTemp program optimized for fast 11 min pre-cooling
- > ECO shut-off can be programmed to engage after 1, 2, 4 or 8 hours of nonuse for energy savings up to 88% and extended compressor life (see page 5 for more details)



Rotor for 48 × 1.5/2.0 mL tubes provides speed up to 18,210 × *g*/12,700 rpm (FA-45-48-11**; Order no. 5409 710.001). Also available with basic plastic lid (F-45-48-11; Order no. 5409 712.004).



Rotor for 30 × 1.5/2.0 mL tubes provides speed up to 20,800 × *g*/14,000 rpm (FA-45-30-11**; Order no. 5409 706.004). Also available with basic plastic lid (F-45-30-11; Order no. 5409 708.007).



Rotor for 24 × 1.5/2.0 mL tubes provides speed up to 25,000 × *g*/16,220 rpm (FA-45-24-11**; Order no. 5409 702.009).



Swing-bucket rotor for 24 × 1.5/2.0 mL tubes spins up to 16,050 × *g*/12,700 rpm. Swing-bucket design is ideal for phase separation (S-24-11-AT**; Order no. 5409 715.003).



Eppendorf Kit rotor for 24 × spin columns and 1.5/2.0 mL tubes. Designed with an extra high rim to support open tube lids during centrifugation. Spins at max. 19,100 × *g*/13,200 rpm (FA-45-24-11-Kit**; Order no. 5409 704.001).



6 × PCR strip rotor with speed up to 11,710 × *g*/10,500 rpm (F-45-48-5-PCR; Order no. 5409 714.007).



Rotor for 12 × 5.0 mL Eppendorf Tubes provides speed up to 20,600 × *g*/14,000 rpm (FA-45-12-17**; Order no. 5409 700.006). Adapters for smaller tubes available:
> 1.5/2.0 mL, pk/4 (Order no. 5820 768.002)
> Cryogenic tubes, pk/4 (Order no. 5820 769.009)

Ordering information

| Description | Order no. |
|--|--------------|
| Centrifuge 5427 R | |
| with 48 × 1.5/2.0 mL aerosol-tight Eppendorf QuickLock rotor | * |
| with 30 × 1.5/2.0 mL aerosol-tight Eppendorf QuickLock rotor | * |
| with 12 × 5.0 mL aerosol-tight Eppendorf QuickLock rotor | * |
| without rotor | * |
| Adapter for all 1.5/2.0 mL microcentrifuge rotors | |
| Adapter for 0.2 mL PCR tubes (set of 6) | 5425 715.005 |
| Adapter for 0.4 mL tubes (set of 6) | 5425 717.008 |
| Adapter for 0.5 mL tubes and 0.6 mL Microtainer® (set of 6) | 5425 716.001 |

All listed models are 230 V/50–60 Hz.

* For ordering information, please check our local website or contact your local sales representative.

www.eppendorf.com/centrifuge-5427





Centrifuge 5430/5430 R

Microcentrifuge with multipurpose capabilities

Unique cross-over Centrifuges 5430 and 5430 R combine the best features of a microcentrifuge (small footprint) and multipurpose centrifuge (versatility) in one instrument. These centrifuges spin rotors for Eppendorf Tubes and PCR strips as you would expect from any microcentrifuge. But that's not all. In a compact size, Centrifuges 5430 and 5430 R also accommodate a fixed-angle rotor for 15/50 mL conical tubes, Vacutainer®, 10 to 50 mL OakRidge tubes, cryo vials as well as a swingbucket rotor for MTP and PCR plates. Until now, this has only been possible with large multipurpose centrifuges.

Product features

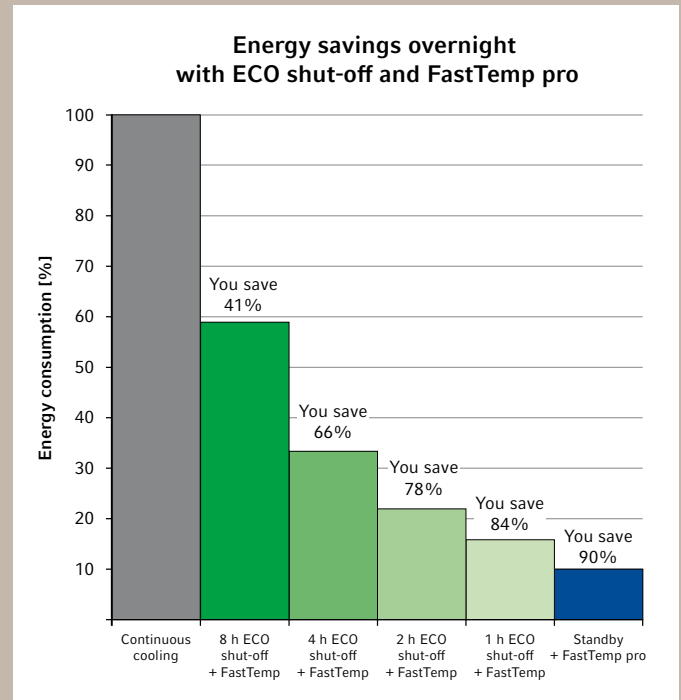
- > Capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP
- > Speed up to 30,130 × *g* (17,500 rpm)
- > Soft-touch closure for ergonomic operation
- > Menu-driven, multi lingual operation menu (English, German, French, Spanish) with large backlit display
- > Saves up to 50 user-defined programs – 5 program keys for easy access to routine programs

Additional features of refrigerated Model 5430 R

- > Temperature range from –11 °C to 40 °C
- > FastTemp program for fast pre-cooling and maximum temperature accuracy inside the rotor
- > ECO shut-off can be programmed to engage after 1, 2, 4 or 8 hours of nonuse for up to 84 % energy savings and extended compressor life

Easy Pre-cooling with FastTemp pro®

In addition to the standard FastTemp pre-cooling program Eppendorf Centrifuge 5430 R features a unique software option called FastTemp pro. This program allows for automated pre-cooling based on pre-programmable time and date. FastTemp pro can be set to a specific date or as a repetitive event during several days every week. Simply turn the centrifuge into standby mode when you leave your lab and let FastTemp pro take care of pre-cooling in the morning. This not only makes operation super easy, it also saves you up to 90 % of energy over night.



Up to 90 % energy savings with FastTemp pro
Energy savings of ECO shut-off (with 8, 4, 2, and 1 hour setting) and FastTemp pro compared to continuous overnight cooling (17 hours).

Ordering information

| Description | Order no. Knob | Order no. Keypad |
|---|------------------|------------------|
| Centrifuge 5430 | | |
| with 30 × 1.5/2.0 mL aerosol-tight QuickLock rotor | * | * |
| without rotor | * | * |
| Centrifuge 5430 R (refrigerated) | | |
| with 30 × 1.5/2.0 mL aerosol-tight QuickLock rotor | * | * |
| without rotor | * | * |
| Adapter for all 1.5/2.0 mL microcentrifuge rotors | Order no. | |
| Adapter for 0.2 mL PCR tubes (set of 6) | 5425 715.005 | |
| Adapter for 0.4 mL tubes (set of 6) | 5425 717.008 | |
| Adapter for 0.5 mL tubes and 0.6 mL Microtainer® (set of 6) | 5425 716.001 | |

All listed models are 230 V/50–60 Hz.

* For ordering information, please check our local website or contact your local sales representative.

www.eppendorf.com/centrifuge-5430





Versatility for Your Needs

Rotors for Centrifuge 5430/5430 R



Rotor for 48 × 1.5/2.0 mL tubes spins up to 18,210 × *g*/12,700 rpm (FA-45-48-11*/***; Order no. 5427 754.008). Also available with basic plastic lid (F-45-48-11***; Order no. 5427 755.004).



Rotor for 30 × 1.5/2.0 mL tubes spins up to 20,817 × *g*/14,000 rpm (FA-45-30-11*/***; Order no. 5427 753.001). Also available with basic plastic lid (F-45-30-11***; Order no. 5427 712.003).



High-speed rotor for 24 × 1.5/2.0 mL tubes spins up to 30,130 × *g*/17,500 rpm for fast separation results. (FA-45-24-11-HS**/**; Order no. 5427 710.000).



Swing-bucket rotor for 24 × 1.5/2.0 mL tubes spins up to $16,050 \times g/12,700$ rpm. Ideal for phase separation (S-24-11-AT*/****; Order no. 5427 757.007).



Eppendorf Kit rotor for 24 × spin columns and 1.5/2.0 mL tubes. Designed with an extra high rim to support open tube lids during centrifugation. Spins at max. $19,090 \times g/13,200$ rpm (FA-45-24-11-Kit*; Order no. 5427 752.005).



Rotor for 16 × 5.0 mL Eppendorf Tubes for speed up to $21,190 \times g/14,200$ rpm (FA-45-16-17*/****; Order no. 5427 750.002). Adapters for smaller tubes available: > 1.5/2.0 mL, pk/4 (Order no. 5820 768.002) > Cryogenic tubes, pk/4 (Order no. 5820 769.009)



8 × PCR strip rotor with removal adapters that can be used as a pipetting rack; maximum speed is $13,543 \times g/11,800$ rpm (F-45-64-5-PCR; Order no. 5427 714.006, includes adapters).



18-place rotor for CryoVial® and HPLC tubes. Speed up to $8,324 \times g/8,900$ rpm (F-45-18-17-Cryo; Order no. 5427 705.007 incl. cryo adapters).



2-place swing-bucket rotor for MTP, PCR, and deepwell plates of up to 29 mm height; speed up to $2,204 \times g/4,680$ rpm. (A-2-MTP; Order no. 5427 700.005).



6 × 15/50 mL conical tube rotor accommodates 12 × Vacutainer, 6 × 15/50 mL conical tubes. Max. speed of $7,815 \times g/7,830$ rpm (F-35-6-30; Order no. 5427 716.009, includes adapters for 15 mL and 50 mL conical tubes).

Adapter options 6 × 15/50 mL conical tube rotor

| Adapter | Rotor capacity ¹ | Tube Dimensions Ø × L (min-max) | Max. RCF | For bore hole | Order no. (set of 2) |
|------------------------------|-----------------------------|---------------------------------|------------------|---------------|---------------------------|
| 13 mm round | 12 | 13 × 65–89 mm | 6,443 × <i>g</i> | Small | 5427 740.007 |
| | | | 6,100 × <i>g</i> | Large | 5427 742.000 |
| 13 mm round | 12 | 13 × 90–110 mm | 7,471 × <i>g</i> | Small | 5427 741.003 |
| | | | 7,129 × <i>g</i> | Large | 5427 743.006 |
| 16 mm round | 12 | 16 × 75–105 mm | 7,005 × <i>g</i> | Small | 5427 732.004 |
| | | | 7,005 × <i>g</i> | Large | 5427 734.007 |
| 17 mm round | 12 | 17 × 90–125 mm | 7,745 × <i>g</i> | Small | 5427 735.003 |
| | | | 7,403 × <i>g</i> | Large | 5427 738.002 |
| Eppendorf Tubes® 5.0 mL | 12 | 17.5 × 80 mm | 6,237 × <i>g</i> | Small | 5427 746.005 |
| | | | 7,129 × <i>g</i> | Large | 5427 747.001 |
| 15 mL conical | 6 | 17.5 × 100–125 mm | 7,540 × <i>g</i> | Small | 5427 726.004 |
| 30 mL round | 6 | 26 × 92–112 mm | 7,087 × <i>g</i> | Large | 5427 736.000 |
| 50 mL round | 6 | 29 × 95–125 mm | 7,581 × <i>g</i> | Large | 5427 737.006 |
| 50 mL conical ^{2,3} | 6 | 29.5 × 100–125 mm | 7,197 × <i>g</i> | Large | 5427 727.000 ² |
| Centriprep® | 6 | 29.5 × 100–125 mm | 7,567 × <i>g</i> | Large | 5427 723.005 |

* Aerosol-tight and Eppendorf QuickLock-sealing

**Aerosol-tight

***PTFE coated for chemical resistance

****Please contact your local Eppendorf organization or dealer about required software update for your existing devices(s).

¹ Please perform a manual test to determine the actual loading capacity.

² Three sets of 2 are included within 6 × 15/50 mL rotor package.

³ Adapter accommodates skirted 50 mL conical tubes.

A System Striving for Perfection

Eppendorf has always listened to customers and worked together with them on improving existing workflows. Since 1964 Eppendorf is offering system solutions that make everyday lab routines faster and easier. Whether it is spinning down samples, transferring liquids,

storing samples at -80°C , or incubating them at up to 100°C , the perfect combination of Eppendorf instruments, Eppendorf Tubes[®], plates and pipette tips will help you to excel your results and give you the best working experience possible.



High-speed centrifuge rotors and high centrifugation resistance of our tubes allow you to get your results even quicker.



Adapters for most common swing-bucket and fixed-angle rotors make it easy to integrate the Eppendorf Tubes into existing centrifuges.



Optimized thermoblocks guarantee accurate temperature control and efficient mixing in Eppendorf ThermoMixer[®] and MixMate[®].



For sample preparation and storage, we offer the ideal racks and boxes for our Eppendorf Tubes.



Broad range of pipettes from $0.1\ \mu\text{L}$ to $10\ \text{mL}$. The complementary set of epT.I.P.S.[®] allows for stress-free and contamination-free work.



A broad range of adapters make for easy integration into our automated pipetting system epMotion[®]



Eppendorf Tubes® 0.5/1.5/2.0 and 5.0 mL

The perfect addition

Eppendorf Tubes combine all the experience from 50 years of constant improvement and development. The original Eppendorf Tube gives you outstanding stability during centrifugation, perfect sealing and evaporation protection.

> The Eppendorf 5.0 mL System at www.eppendorf.com/5ml

Product features

- > Hinged lid of Eppendorf Safe-Lock tubes prevent accidental lid opening during incubation
- > High centrifugation resistance (up to 30,000 × g) prevents tube breakage
- > Precise lid sealing for lowest evaporation rates during storage
- > Manufactured free from slip agents, plasticizers, and biocides – substances that have been shown to leach from plastic consumables into the sample and negatively affect assay results
- > Available in Protein and DNA/RNA LoBind quality

Ordering information

| Eppendorf Tubes® | | 0.5 mL, Safe-Lock | 1.5 mL, Safe-Lock | 2.0 mL, Safe-Lock | 5.0 mL ³ |
|---|-------|---------------------------------------|---|---|---------------------------------------|
| Eppendorf Quality™ | clear | 0030 121.023 500 pcs. (1 × pk/500) | 0030 120.086 1,000 pcs. (1 × pk/1,000) | 0030 120.094 1,000 pcs. (1 × pk/1,000) | 0030 119.401 200 pcs. (2 × pk/100) |
| PCR clean¹ | clear | 0030 123.301 500 pcs. (1 × pk/500) | 0030 123.328 1,000 pcs. (1 × pk/1,000) | 0030 123.344 1,000 pcs. (1 × pk/1,000) | 0030 119.460 200 pcs. (2 × pk/100) |
| Biopur®² | clear | 0030 121.570 50 pcs. (50 × pk/1) | 0030 121.589 100 pcs. (100 × pk/1) | 0030 121.597 100 pcs. (100 × pk/1) | 0030 119.479 50 pcs. (50 × pk/1) |
| Protein LoBind (PCR clean)¹ | clear | 0030 108.094 100 pcs. (2 × pk/50) | 0030 108.116 100 pcs. (2 × pk/50) | 0030 108.132 100 pcs. (2 × pk/50) | 0030 108.302 100 pcs. (2 × pk/50) |
| DNA LoBind (PCR clean)¹ | clear | 0030 108.035 250 pcs. (5 × pk/50) | 0030 108.051 250 pcs. (5 × pk/50) | 0030 108.078 250 pcs. (5 × pk/50) | 0030 108.310 200 pcs. (4 × pk/50) |

¹PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.

²Biopur®: Batch-certified sterile and free from DNA, DNase, RNase, PCR inhibitors, ATP, and pyrogens/endotoxins. Individually packaged.

³Also available in Sterile (Batch-certified sterile and free from pyrogens/endotoxins): 0030 119.487, 200 pcs. (10 × pk/20)

Eppendorf Microcentrifuges



| Model | MiniSpin®/MiniSpin® plus | 5418/5418 R |
|--|---|---|
| Positioning | Space saving 12-place mini-centrifuge for quick spin downs even in the smallest workstation, non-refrigerated | Compact 18-place micro-centrifuge, refrigerated for temperature sensitive samples or non-refrigerated |
| Max. capacity | 12 × 1.5/2.0 mL/12 × 1.5/2.0 mL | 18 × 1.5/2.0 mL |
| Max. RCF | 12,100 × <i>g</i> /14,100 × <i>g</i> | 16,873 × <i>g</i> |
| Max. speed | 13,400 rpm/14,500 rpm | 14,000 rpm |
| Rotors available | 2 | 1 |
| Temperature control range | | 0 °C to +40 °C |
| Dimensions (W × D × H) | 22.6 × 23.9 × 13.0 cm/22.6 × 23.9 × 12.0 cm | 21 × 30 × 21 cm/30 × 46 × 25 cm |
| Height (with open lid) | 25 cm | 43 cm/52 cm |
| Weight w/o accessories | 4.3 kg | 7.7 kg/22 kg |
| Max. power consumption | 70 W/85 W | 170 W/320 W |
| Tubes/plates capacity ^{*1} | | |
| 1.5/2.0 mL Eppendorf tubes | 12 | 18 |
| Eppendorf Tubes® 5.0 mL | – | – |
| 8-place PCR strips | 2 | – |
| 15 mL conical | – | – |
| 50 mL conical | – | – |
| 2.6 – 7 mL (13 mm) | – | – |
| 3 – 15 mL (16 mm) | – | – |
| 7 – 17 mL (17.5 mm) | – | – |
| MTP/PCR-plates | – | – |
| Deepwell plates (DWP) | – | – |

*1 F = Fixed-angle rotor, S = Swing-bucket rotor



| 5424 R | 5425 | 5427 R | 5430/5430 R |
|--|--|---|---|
| Refrigerated 24-place standard microcentrifuge for temperature sensitive samples | Whisper quiet 24-place standard microcentrifuge with outstanding feature set for broad range of applications, non-refrigerated | High-throughput refrigerated 48-place microcentrifuge for temperature sensitive samples | Crossover microcentrifuge with multipurpose versatility and 12 rotor options including 48-place tube rotor, 30-place high speed rotor and swing-bucket rotor for MTPs or DWPs, refrigerated for temperature sensitive samples or non-refrigerated |
| 24 x 1.5/2.0 mL | 10 x 5 mL | 48 x 1.5/2.0 mL | 48 x 1.5/2.0 mL, 6 x 50 mL, 2 x MTP |
| 21,130 x g | 21,300 x g | 25,000 x g | 30,130 x g |
| 15,000 rpm | 15,060 rpm | 16,220 rpm | 17,500 rpm |
| 4 | 6 | 9 | 12 |
| -10 °C to +40 °C | - | -11 °C to 40 °C | -11 °C to 40 °C |
| 29 x 48 x 26 cm | 24 x 39 x 24 cm | 31.9 x 54.0 x 25.4 cm | 33 x 42 x 25 cm/38 x 64 x 29 cm |
| 51 cm | 48 cm | | 56 cm/63 cm |
| 21 kg | 15,6 kg | 30 kg | 29 kg/56 kg |
| 350 W | 280 W | 550 W | 475 W/1,050 W |
| 24 | 24 | 48 | 48 |
| - | 10 | 12 | 16 |
| 4 | 12 | 6 | 8 |
| - | - | - | 6 |
| - | - | - | 6 |
| - | - | - | 12 |
| - | - | - | 12 |
| - | - | - | 12 |
| - | - | - | 2 |
| - | - | - | 2 |

Centrifuge Family Overview

Eppendorf Microcentrifuges



| Model | MiniSpin® | MiniSpin® plus | 5418 | 5418 R | 5424 R | 5425 | 5427 R | 5430 | 5430 R |
|-------------------------|---------------------------------------|----------------|----------------------------------|---------------|---|--|--|---|-----------------|
| Positioning | Space saving 12-place mini-centrifuge | | Compact 18-place microcentrifuge | | Refrigerated 24-place standard micro-centrifuge | Whisper quiet 24-place standard micro-centrifuge | High-throughput refrigerated 48-place micro-centrifuge | Crossover microcentrifuge with multipurpose versatility | |
| Max. Capacity | 12 × 1.5/2 mL | | 18 × 1.5/2 mL | | 24 × 1.5/2 mL | 10 × 5 mL | 48 × 1.5/2 mL | 48 × 1.5/2 mL (6 × 15/50 mL, 2 × MTP) | |
| Max. speed (RCF) | 12,100 × g | 14,100 × g | 16,873 × g | | 21,130 × g | 21,300 × g | 25,000 × g | 30,130 × g | |
| Max. rpm | 13,400 | 14,500 | 14,000 | | 15,000 | 15,060 | 16,220 | 17,500 | |
| Rotor options | 2 | | 1 | | 4 | 6 | 9 | 12 | |
| Refrigerated | – | – | – | 0 °C to 40 °C | –10 °C to 40 °C | – | –10 °C to 40 °C | – | –11 °C to 40 °C |
| Ordering no. | * | * | * | * | * | * | * | * | * |

Eppendorf Multipurpose Centrifuges



| Model | 5702 | 5702 R | 5702 RH | 5804 | 5804 R | 5810 | 5810 R | 5910 R | 5920 R |
|------------------------------------|--|----------------|----------------|---|----------------|--|----------------|--|---|
| Positioning | Low speed multipurpose centrifuge with medium capacity for clinical research and cell culture labs | | | High speed multipurpose centrifuge with medium capacity | | Compact multipurpose centrifuge with medium capacity | | Super versatile multipurpose centrifuge with high capacity | High-throughput multipurpose centrifuge with very high capacity |
| Capacity | 4 × 100 mL | | | 4 × 250 mL | | 4 × 750 mL | | 4 × 750 mL | 4 × 1,000 mL |
| > Conical tubes | 20 × 15 mL/4 × 50 mL | | | 40 × 15 mL/16 × 50 mL | | 56 × 15 mL/28 × 50 mL | | 64 × 15 mL/ 36 × 50 mL | 108 × 15 mL/ 52 × 50 mL |
| > Blood collection tubes | 36 × 13 mm/30 × 16 mm | | | 56 × 13 mm/52 × 16 mm | | 100 × 13 mm/80 × 16 mm | | 120 × 13 mm/ 104 × 16 mm | 196 × 13 mm/ 148 × 16 mm |
| > Plates | – | | | 10 × MTP/2 × DWP | | 16 × MTP/4 × DWP | | 20 × MTP/ 4 × DWP | 28 × MTP/ 8 × DWP |
| Max. speed (RCF) | 3,000 × g | | | 20,913 × g | | 20,913 × g | | 22,132 × g | 21,194 × g |
| Max. rpm | 4,400 | | | 14,000 | | 14,000 | | 14,000 | 13,700 |
| Rotor options | 6 | | | 12 | | 18 | | – | – |
| Refrigerated | – | –9 °C to 40 °C | –9 °C to 42 °C | – | –9 °C to 40 °C | – | –9 °C to 40 °C | –11 °C to 40 °C | –11 °C to 40 °C |
| Ordering no. | * | * | * | * | * | * | * | * | * |

Technical specifications subject to change. Errors and omissions excepted.

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eppendorf@eppendorf.com · www.eppendorf.com

* For ordering information, please check our local website or contact your local sales representative.

www.eppendorf.com/centrifugation



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