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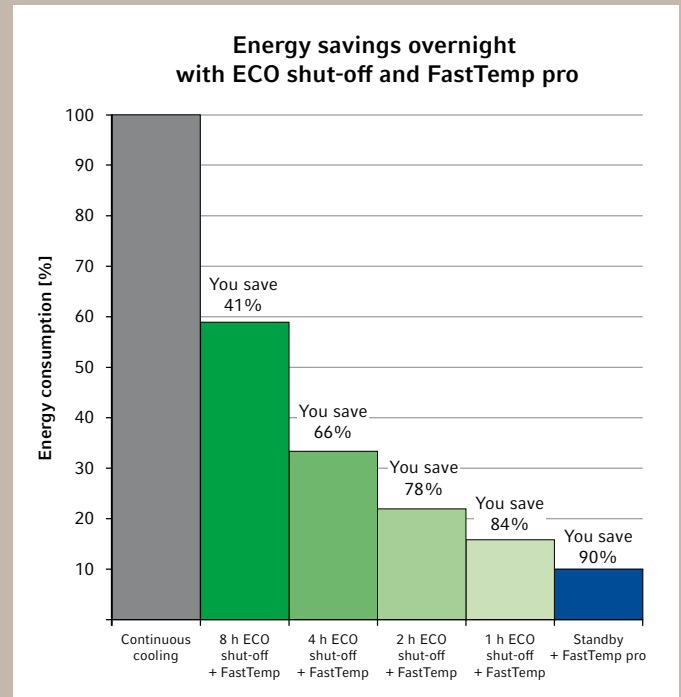
**Product features**
> Capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP
> Speed up to 30,130 × $g$ (17,500 rpm)
> Soft-touch closure for ergonomic operation
> Menu-driven, multi lingual operation menu (English, German, French, Spanish) with large backlit display
> Saves up to 50 user-defined programs –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





**Energy savings overnight with ECO shut-off and FastTemp pro**



**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 × $g$/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 × $g$/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 × $g$/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 × $g$/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 × $g$/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 × $g$/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 × $g$/7,830 rpm (F-35-6-30; Order no. 5427 716.009, includes adapters for 15 mL and 50 mL conical tubes).

\* 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).

**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 × $g$ | Small | 5427 740.007 |
| | | | 6,100 × $g$ | Large | 5427 742.000 |
| 13 mm round | 12 | 13 × 90–110 mm | 7,471 × $g$ | Small | 5427 741.003 |
| | | | 7,129 × $g$ | Large | 5427 743.006 |
| 16 mm round | 12 | 16 × 75–105 mm | 7,005 × $g$ | Small | 5427 732.004 |
| | | 16 × 90–105 mm | 7,005 × $g$ | Large | 5427 734.007 |
| 17 mm round | 12 | 17 × 90–125 mm | 7,745 × $g$ | Small | 5427 735.003 |
| | | | 7,403 × $g$ | Large | 5427 738.002 |
| Eppendorf Tubes® 5.0 mL | 12 | 17.5 × 80 mm | 6,237 × $g$ | Small | 5427 746.005 |
| | | | 7,129 × $g$ | Large | 5427 747.001 |
| 15 mL conical | 6 | 17.5 × 100–125 mm | 7,540 × $g$ | Small | 5427 726.004 |
| 30 mL round | 6 | 26 × 92–112 mm | 7,087 × $g$ | Large | 5427 736.000 |
| 50 mL round | 6 | 29 × 95–125 mm | 7,581 × $g$ | Large | 5427 737.006 |
| 50 mL conical[2,3] | 6 | 29.5 × 100–125 mm | 7,197 × $g$ | Large | 5427 727.000[2] |
| Centriprep® | 6 | 29.5 × 100–125 mm | 7,567 × $g$ | Large | 5427 723.005 |

[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.