



Versatility Reloaded

Centrifuge 5430 and Centrifuge 5430 R
Silence | Speed | Simplicity®



Be ready for today—and prepared for tomorrow

The Centrifuge 5430 and Centrifuge 5430 R combine the proven features of the Eppendorf microcentrifuges and the multipurposecentrifuges. They offer multiple application opportunities due to a high selection of different rotor types. Despite their compact size of approx. 35 cm width, special rotors for micro plates, 15 mL and 50 mL conical tubes can be easily used.

Their incomparable versatility makes the Centrifuge 5430 and Centrifuge 5430 R the flagships under the Eppendorf microcentrifuges.

Features of Centrifuges 5430/5430 R

- > High centrifugation speed of up to $30,130 \times g$ (17,500 rpm)
- > Exceptional versatility with 12 different rotors
- > New 48-place rotor reduces time expenditure of daily routine works significantly
- > Eppendorf QuickLock®-system for easy rotor lid opening and closing
- > 5 program keys for convenient access to routine programs

Additional features of Centrifuge 5430 R

- > FastTemp pro® function for programmable pre-cooling by day and time
- > Continuous cooling keeps the temperature constant after the run—Your samples stay safe
- > ECO-shut off of the compressor (adjustable in regards to time of non-use) for a lower energy consumption



The Eppendorf microcentrifuges—including Centrifuge 5430 and Centrifuge 5430 R—set the standards in terms of design and usability. This has been confirmed by receiving the external certificate »excellent! Universal Design« of the TÜV Nord organization.

The Centrifuge 5430 and Centrifuge 5430 R offer a versatile choice of high quality aluminum rotors which serve specific applications. In this regard, proven rotor types have been complemented with further especially designed models.

Besides the 48-place rotors this includes a 16-place rotor for 5.0 mL Eppendorf Tubes® and a swing bucket rotor for up to 24 × 2.0 mL tubes. All new aerosol-tight rotors come with Eppendorf QuickLock-sealing.

Rotors for Centrifuge 5430 and Centrifuge 5430 R



Standard rotor for 48 × 1.5/2.0 mL tubes (max. 18,210 × g / 12,700 rpm)
NEW



Rotor for 48 × 1.5/2.0 mL tubes (max. 18,210 × g / 12,700 rpm)
NEW



Rotor for 30 × 1.5/2.0 mL tubes (max. 20,817 × g / 14,000 rpm)
NEW



Rotor for 30 × 1.5/2.0 mL tubes (max. 20,817 × g / 14,000 rpm)



Rotor for 24 × 1.5/2.0 mL tubes (max. 30,130 × g / 17,500 rpm)



Rotor with raised edge for safe centrifugation of up to 24 spin columns (clean up kits) (max. 19,090 × g / 13,200 rpm) **NEW**



Swing-bucket rotor for 24 × 1.5/2.0 mL tubes (max. 16,049 × g / 12,700 rpm)
NEW



Rotor for 16 × 5.0 mL Eppendorf Tubes (max. 21,191 × g / 14,200 rpm)
NEW



PCR strip rotor for up to 48 × 0.2 mL PCR tubes (max. 13,543 × g / 11,000 rpm)



Rotor for 6 × 15/50 mL conical tubes (max. 7,745 × g / 7,830 rpm)



Swing-bucket rotor for 2 plates (MTP, PCR and deepwell plates) (max. 2,204 × g / 4,680 rpm)



Rotor for 18 cryo tubes (with adapter) (max. 8,324 × g / 8,900 rpm)

* Aerosol-tight and Eppendorf QuickLock-sealing
**Aerosol-tight

***PTFE coated for chemical resistance

Technical Data

Description	Centrifuge 5430	Centrifuge 5430 R
Max. rcf	30,130 × g	
Max. rpm	17,500 rpm	
Acceleration time to max. speed	14 s (with rotor FA-45-30-11)	
Braking time from max. speed	15 s (with rotor FA-45-30-11)	
Temperature settings	–	–11 °C to 40 °C
Time settings	30 s to 99:59 h, with continuous run	
Max. noise level	< 58 dB(A)	< 54 dB(A)
Dimensions (W × D × H)	33 × 42 × 25 cm	38 × 64 × 29 cm
Weight without rotor	29 kg	56 kg
Power requirement	550 W	
Max. capacity	48 × 1.5/2.0 mL, 16 × 5.0 mL, 6 × 50 mL, 2 × MTP	

Ordering information

Description	Order-No.
Centrifuge 5430 , 230 V/50–60 Hz, incl. rotor FA-45-30-11, aerosol-tight, with rotary knobs	5427 000.410
Centrifuge 5430 , 230 V/50–60 Hz, incl. rotor FA-45-30-11, aerosol-tight, with keypad	5427 000.216
Centrifuge 5430 R , 230 V/50–60 Hz, incl. rotor FA-45-30-11, aerosol-tight, with rotary knobs	5428 000.414
Centrifuge 5430 R , 230 V/50–60 Hz, incl. rotor FA-45-30-11, aerosol-tight, with keypad	5428 000.015
Rotors and accessories	
FA-45-48-11, incl. rotor lid, aerosol-tight* NEW**	5427 754.008
F-45-48-11, incl. rotor lid NEW**	5427 755.004
S-24-11-AT, , incl. rotor lid, aerosol-tight* NEW**	5427 757.007
FA-45-16-17, incl. rotor lid, aerosol-tight* NEW**	5427 750.002
FA-45-30-11, incl. rotor lid, aerosol-tight* NEW	5427 753.001
FA-45-24-11-Kit, incl. rotor lid, aerosol-tight* NEW	5427 752.005
F-45-30-11, incl. rotor lid,	5427 712.003
FA-45-24-11-HS, incl. rotor lid, aerosol-tight*	5427 710.000
F-45-18-17-Cryo, incl. rotor lid and adapter	5427 705.007
F-45-64-5-PCR, incl. rotor lid and adapter	5427 714.006
F-35-6-30, incl. rotor lid and adapter for 15/50 mL conical tubes	5427 716.009
A-2-MTP, incl. 2 MTP buckets and wind shield	5427 700.005
Adapter for blood collection tubes (for rotor F-35-6-30)	
Short, for 15 mL bore (set of 2)	5427 740.007
Short, for 50 mL bore (set of 2)	5427 742.000
Long, for 15 mL bore (set of 2)	5427 741.003
Long, for 50 mL bore (set of 2)	5427 743.006
Adapter for Eppendorf Tubes® 5.0 mL (for rotor F-35-6-30)	
Adapter for 5.0 mL Eppendorf Tubes®, large bore (set of 2)	5427 747.001
Adapter for 5.0 mL Eppendorf Tubes®, small bore (set of 2)	5427 746.005

* Certified aerosol-tight.

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

Technical specifications subject to change.

Your local distributor: www.eppendorf.com/contact

Eppendorf AG · 22331 Hamburg · Germany

E-mail: eppendorf@eppendorf.com

www.eppendorf.com

www.eppendorf.com/centrifugation



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