

NEW



A class of its own

Centrifuge 5430 / 5430 R

eppendorf

And you thought microcentrifuges had limits...

Introduction



Combining two completely different sets of requirements into one centrifuge: the rotor options of a benchtop Centrifuge with the small footprint of a microcentrifuge. The air cooled Centrifuge 5430 and the refrigerated Centrifuge 5430 R!

The compact design of this 30-place microcentrifuge also performs an impressive range of applications.

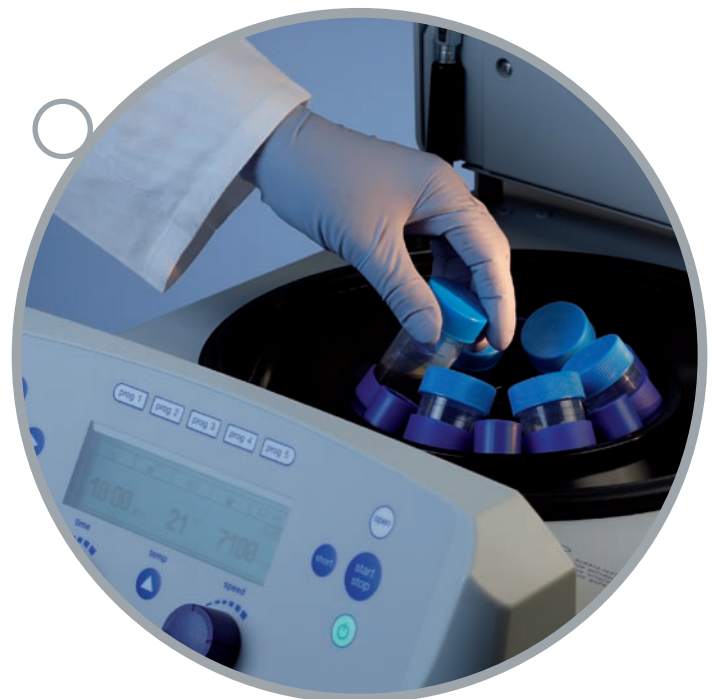
Virtually any tube or plate you want to centrifuge can be accommodated in one of the eight rotors: from an Eppendorf Tube at $30,000 \times g$ to MTP plates and slides in the swing bucket rotor, from 15 ml and 50 ml Falcon® tubes in the fixed-angle rotor to blood collection tubes – without changing the rotor, only the corresponding adapters!

Convenience made by Eppendorf – for You!
Centrifuge 5430 is **your** centrifuge, based on **your** requirements in any lab!

* Eppendorf centrifuges serve to separate components of mixtures of different densities, especially for the preparation and processing of samples from the human body within the scope of *In-Vitro* diagnostics applications, in order to allow the *In-Vitro* diagnostic medical device to be used as intended. Therefore centrifuges, being *In-Vitro* diagnostics accessories, are in themselves *In-Vitro* diagnostic medical devices within the meaning of Directive 98/79/EC of the European Parliament and of the Council of 27 October *In-Vitro* diagnostic medical devices. Eppendorf centrifuges are intended exclusively for use indoors, and for operation by qualified staff.

Common product features Centrifuge 5430 and 5430 R

- Smallest microcentrifuge with plate rotor
- 8 different rotors for maximum versatility
- Max. rcf $30,130 \times g$ for shorter centrifugation period
- Standard rotor is aerosol-tight for your safety
- 5 program keys and up to 50 programs
- “at set rpm” function for maximum reproducibility
- Automatic rotor detection for your safety
- Automatic imbalance detection for safe operation
- Operation menu: English, German, French and Spanish



Unreached versatility – unlimited compatibility!

Centrifuge 5430 R

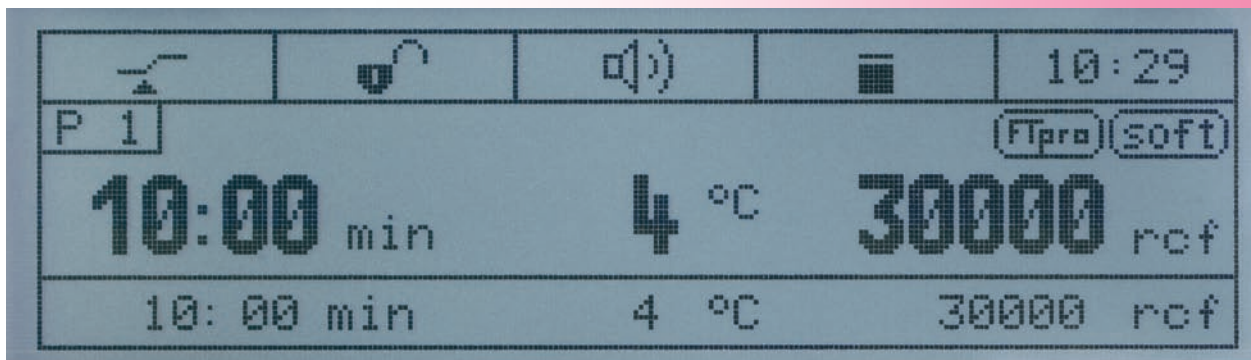
Centrifuge 5430 R. Versatility – refrigerated!
State-of-the-art cooling technology ensures fast,
precise and efficient cooling of samples in tubes,
plates and slides.

Cooling features

- Temperature range from -11°C to $+40^{\circ}\text{C}$
- Maintaining 4°C during max. speed
- Continues cooling after end of run
- Fast Temp
- Fast Temp Pro



Display and operation panel



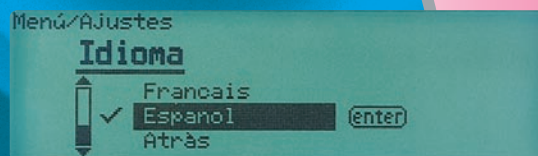
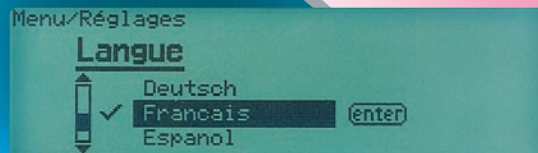
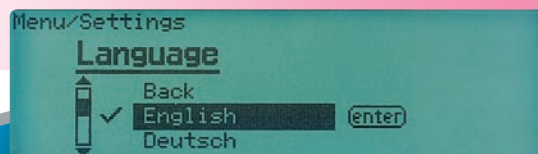
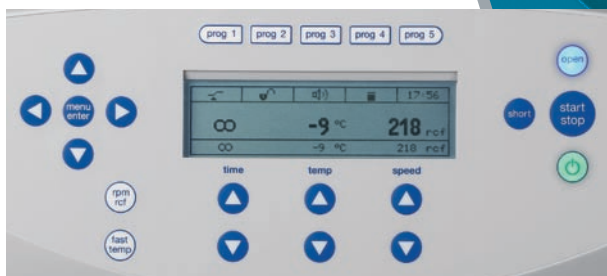
The “All Informative Display” – AID – shows you all parameters on one screen. The extended menu provides even more information, e.g. actual “real-time” status of the set parameters.

Five programmable blue backlit buttons can be used for frequently used programs in the first level. Another 45 programs can be stored in the second level. For easier recall of programs, alphanumerical names can be assigned for each individual program.



The Centrifuge 5430 – refrigerated and non-refrigerated come with your choice of different operating panels:

- rotating knobs for fast and easy setting of time and speed parameters
- foil pad for easy cleaning



Centrifuge 5430 and Centrifuge 5430 R

Technical specifications

Description	Centrifuge 5430	Centrifuge 5430 R
Max. rcf	30,130 × <i>g</i>	
Max. rpm	17,500 rpm	
Max. capacity	30 × 1.5 / 2.0 ml or 6 × 50 ml	
No. of rotors	8	
Acceleration time to max. speed	< 25 s	
Braking time from max. speed	< 25 s	
Soft ramp	Adjustable	
Noise level	< 67 dB(A)	< 63 dB(A)
Dimension in cm (W × D × H)	33 × 42 × 25	38 × 64 × 30
Weight without rotor	29 kg	56 kg
Power supply	230 V/50–60 Hz	230 V/50–60 Hz
Power requirements	475 W	1050 W
Temperature settings	–	–11 °C to + 40 °C

Technical rotors specifications

Rotor	Capacity tubes /plates	Feature	Max. g-force	Max. speed
FA-45-30-11, Standard rotor	30 × 1.5/2.0 ml micro test tubes	aerosol-tight and coated	20,817 × <i>g</i>	14,000 rpm
F-45-30-11, Micro test tube rotor	30 × 1.5/2.0 ml micro test tubes	coated	20,817 × <i>g</i>	14,000 rpm
FA-45-24-11-HS, High-speed rotor	24 × 1.5 ml 30.000 × <i>g</i> safe micro test tubes	aerosol-tight and coated	30,130 × <i>g</i>	17,500 rpm
FA-45-24-11-Kit, Kit rotor	24 × filter tubes/spin columns, nucleic acid purification kits, micro test tubes up to 2.0 ml	aerosol-tight	19,090 × <i>g</i>	13,200 rpm
F-45-64-5-PCR, PCR tube strip rotor	8 × 5/8-strip PCR tubes or 64 × individual 0.2 ml PCR tubes	–	13,543 × <i>g</i>	11,800 rpm
F-45-18-17-Cryo, CryoTube® rotor	18 × 1.0/2.0 ml CryoTubes®	–	8,324 × <i>g</i>	8,900 rpm
F-35-6-30, Falcon® tube rotor	6 × 15 ml or 6 × 50 ml Falcon® tubes, blood collection tubes, Oak Ridge tubes	–	7,197 × <i>g</i>	7,830 rpm
A-2-MTP, MTP rotor	MTP, PCR plates, CombiSlide® adapter, max. loading height 29 mm	–	2,204 × <i>g</i>	4,680 rpm

F-35-6-30

● 6 × 15/50 ml Falcon®/
Conical tube rotor



FA-45-24-11-HS^{*1,2}

● 24 × 1.5/2.0 ml High-speed
microcentrifuge tube rotor



A-2-MTP

● 2 × Microplate rotor



FA-45-24-11-Kit^{*2}

● 24-place, spin column/filter tube rotor



^{*1} PTFE coated

^{*2} Certified aerosol-tight

Eppendorf Centrifuge 5430 R: A class of its own



Versatility
Silence
Speed
Simplicity

F-45-18-17-Cryo
● 18-place cryovial rotor

FA-45-30-11*^{1,2}
● 30 × 1.5/2.0 ml
microcentrifuge tube rotor

F-45-64-5-PCR
● 8-place PCR 8-strip rotor

F-45-30-11*¹
● 30 × 1.5/2.0 ml microcentrifuge tube rotor

Centrifuges 5430 and 5430 R, rotors and accessories

Ordering information

Description	Order Number
Centrifuge 5430, Foil, 230 V, incl. rotor FA-45-30-11	5427 000.216
Centrifuge 5430, Foil, 230 V, w/o rotor	5427 000.011
Centrifuge 5430, Knob, 230 V, incl. rotor FA-45-30-11	5427 000.410
Centrifuge 5430, Knob, 230 V, w/o rotor	5427 000.615
Centrifuge 5430 R, Foil, 230 V, incl. rotor FA-45-30-11	5428 000.015
Centrifuge 5430 R, Foil, 230 V, w/o rotor	5428 000.210
Centrifuge 5430 R, Knob, 230 V, incl. rotor FA-45-30-11	5428 000.414
Centrifuge 5430 R, Knob, 230 V, w/o rotor	5428 000.619
Rotor F-45-30-11, incl. rotor lid, PTFE-coated**	5427 712.003
Rotor FA-45-30-11, incl. rotor lid, aerosol-tight*, PTFE-coated**	5427 713.000
Rotor FA-45-24-11-HS, incl. rotor lid, aerosol-tight*, PTFE-coated**	5427 710.000
Rotor FA-45-24-11-Kit, incl. rotor lid, aerosol-tight*	5427 703.004
Rotor F-45-18-17-Cryo, incl. rotor lid and adapters	5427 705.007
Spare adapters for 1-2ml CryoTubes®, set of 6	5702 752.002
Rotor F-45-64-5-PCR, incl. rotor lid and adapter	5427 714.006
Spare adapter for F-45-64-5-PCR, set of 4	5427 717.005
Rotor F-35-6-30, incl. rotor lid and adapter	5427 716.009
Adapter for 1 x 9–15 ml, for 50 ml bore, set of 2 (Monovette®)	5427 738.002
Adapter 1 x 7–15 ml, for 50 ml bore, set of 2 (blood collection tubes, Ø 16 mm)	5427 734.007
Adapter 1 x 2.6–7 ml, for 50 ml bore, set of 2 (blood collection tubes, Ø 13 mm)	5427 733.000
Adapter 1 x 20–30 ml, for 50 ml bore, set of 2 (30 ml Oak Ridge tube)	5427 736.000
Adapter 1 x 50 ml, for 50 ml bore, set of 2 (50 ml Oak Ridge tube)	5427 737.006
Adapter 1 x 2.6–7 ml, for 15 ml bore, set of 2 (blood collection tubes, Ø 13 mm)	5427 731.008
Adapter 1 x 7–15 ml, for 15 ml bore, set of 2 (10 ml Oak Ridge tubes, blood collection tubes, Ø 16 mm)	5427 732.004
Adapter for 1 x 9–15 ml for 15 ml bore, set of 2 (Monovette®)	5427 735.003
Adapter for F-35-6-30, sleeve 50 ml Centriplus® tubes, set of 6	5427 723.005
Spare adapter 1 x 50 ml Falcon® for F-35-6-30, set of 2	5427 727.000
Spare adapter 1 x 15 ml Falcon® for F-35-6-30, set of 2	5427 726.004
Rotor A-2-MTP, incl. 2 MTP buckets and rotor lid	5427 700.005
Spare MTP buckets for A-2-MTP, set of 2	5427 722.009
Spare Torque key for High-speed rotor	5427 730.001
Adapters for all fixed-angle rotors for inserting PCR and micro test tubes	
For tube size 0.2 ml (Ø adapter: 6 mm), set of 6	5425 715.005
For tube size 0.4 ml (Ø adapter: 6 mm), set of 6	5425 717.008
For tube size 0.5–0.6 ml (Ø adapter: 8 mm), set of 6	5425 716.001
Adapter for A-2-MTP swing-bucket rotor	
Adapter for 96-well PCR plates	5825 711.009
Adapter for 384-well PCR plates	5825 713.001

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 CryoTube®: in France and in the USA registered trademark of NUNC A/S, Roskilde, Denmark.
 Centriplus®: registered trademark of Millipore Cooperation, Bedford, Mass., USA.
 Monovette®: registered trademark of Sarstedt AG & Co., Nümbrecht, Germany

Errors and omissions excepted; technical specifications subject to change!

* Certified aerosol-tight by the Centre of Applied Microbiology & Research, Porton Down.
 ** For increased chemical resistance.

For further information please visit www.eppendorf.com/5430

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