

Centrifuge 5430/5430 R

Crossover microcentrifuges with small footprint and great versatility. Refrigerated for temperature sensitive samples or non-refrigerated.

Centrifuge 5430 and 5430 R combine the dimensions of a microcentrifuge with the application range of a multipurpose centrifuge in one instrument: 12 rotor options including rotor for 15 and 50 mL conical tubes, 30-place high speed rotor and swing-bucket rotor for MTPs or DWPs.

Product features

- > Capacity: 48 x 1.5/2.0 mL, 6 x 50 mL, 2 x MTP
- > Speed up to 30,130 x 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 control range from –11 °C to 40 °C
- > FastTemp pro® control 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



Ordering information

Description	Order no.
Keypad	
Centrifuge 5430, non-refrigerated, without rotor, keypad, 230 V/50 – 60 Hz	*
Centrifuge 5430, non-refrigerated, with Rotor FA-45-30-11 incl. rotor lid, keypad, 230 V/50 – 60 Hz	*
Centrifuge 5430 R, refrigerated, without rotor, keypad, 230 V/50 – 60 Hz	*
Centrifuge 5430 R, refrigerated, with Rotor FA-45-30-11 and rotor lid, keypad, 230 V/50 – 60 Hz	*
Rotary knobs	
Centrifuge 5430, non-refrigerated, without rotor, rotary knobs, 230 V/50 – 60 Hz	*
Centrifuge 5430, non-refrigerated, with Rotor FA-45-30-11 incl. rotor lid, rotary knobs, 230 V/50 – 60 Hz	*
Centrifuge 5430 R, refrigerated, without rotor, rotary knobs, 230 V/50 – 60 Hz	*
Centrifuge 5430 R, refrigerated, with Rotor FA-45-30-11 and rotor lid, rotary knobs, 230 V/50 – 60 Hz	*

* For ordering information, please check our local website or contact your local sales representative.
www.eppendorf.com/centrifuge-5430



Rotors for Centrifuge 5430/5430 R



Rotor FA-45-48-11

- > Max. speed: $18,210 \times g$ (12,700 rpm)
- > Max. capacity: 48 \times 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid takes repetitive stress off your wrist



Rotor F-45-48-11

- > Max. speed: $18,210 \times g$ (12,700 rpm)
- > Max. capacity: 48 \times 1.5/2.0 mL tubes



Rotor S-24-11-AT

- > Max. speed: $16,049 \times g$ (12,700 rpm)
- > Swing-bucket rotor for 24 \times 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid
- > Perfect for phase-separation applications such as phenol-chloroform extraction



Rotor FA-45-16-17

- > Max. speed: $21,191 \times g$ (14,200 rpm)
- > Max. capacity: 16 \times Eppendorf Tubes® 5.0 mL
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid takes repetitive stress off your wrist
- > Eppendorf Tubes® 5.0 mL with screw caps only can use up half (8 \times) of the places in the rotor



Rotor FA-45-30-11

- > Max. speed: $20,817 \times g$ (14,000 rpm)
- > Max. capacity: 30 \times 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid takes repetitive stress off your wrist
- > PTFE coating for increased chemical resistance



> Rotor FA-45-24-11-Kit

- > Max. speed: $19,090 \times g$ (13,200 rpm)
- > Rotor with higher edge for safe centrifugation of up to 24 spin columns
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid takes repetitive stress off your wrist



Rotor F-45-30-11

- > Max. speed: $20,817 \times g$ (14,000 rpm)
- > Max. capacity: 30 \times 1.5/2.0 mL tubes
- > PTFE coating for increased chemical resistance



Rotor FA-45-24-11-HS

- > Max. speed: $30,130 \times g$ (17,500 rpm)
- > Max. capacity: 24 \times 1.5/2.0 mL tubes
- > Extremely fast separation results
- > Aerosol-tight for safe centrifugation of hazardous samples
- > Eppendorf QuickLock® lid takes repetitive stress off your wrist
- > PTFE coating for increased chemical resistance



Rotor F-35-6-30

- > Max. speed: $7,745 \times g$ (7,830 rpm)
- > Rotor for 6 \times 15/50 mL conical or 12 \times BD Vacutainer® tubes



Rotor A-2-MTP

- > Max. speed: $2,204 \times g$ (4,680 rpm)
- > 2-place swing-bucket rotor for MTP, PCR and Deepwell Plates (max. height = 29 mm)
- > Windshield design for quiet operation



Rotor F-45-64-5-PCR

- > Max. speed: $13,543 \times g$ (11,800 rpm)
- > PCR strip rotor for up to 64 \times 0.2 mL PCR tubes



Rotor F-45-18-17-Cryo

- > Max. speed: $8,324 \times g$ (8,900 rpm)
- > 18-place rotor for Cryovial® tubes

Rotors for Centrifuge 5430/5430 R

Ordering information

Description	Order no.
Rotor FA-45-16-17 , aerosol-tight, incl. rotor lid, for 16 × Eppendorf Tubes® 5.0 mL	5427 750 002
Rotor FA-45-48-11 , aerosol-tight, incl. rotor lid	5427 754 008
Rotor F-45-48-11 , incl. rotor lid	5427 755 004
Rotor S-24-11-AT , aerosol-tight, incl. rotor lid	5427 757 007
Rotor FA-45-30-11 , aerosol-tight, incl. rotor lid	5427 753 001
Rotor FA-45-24-11-Kit , aerosol-tight, incl. rotor lid	5427 752 005
Rotor F-45-30-11 , incl. rotor lid	5427 712 003
Rotor FA-45-24-11-HS , aerosol-tight, incl. rotor lid	5427 710 000
Rotor F-35-6-30 , incl. rotor lid, with 6 adapters each for 15 mL/50 mL conical tubes	5427 716 009
Rotor A-2-MTP , incl. wind shield and rotor lid, with 2 buckets	5427 700 005
Rotor F-45-64-5-PCR , incl. rotor lid and adapters	5427 714 006
Rotor F-45-18-17-Cryo , incl. rotor lid and Cryovial® adapters	5427 705 007
Adapter , for 1 tube 0.5 mL or BD 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 cryo containers (max. Ø 13 mm) or lidded centrifugation tubes (Ø 12.2 mm), max. length 50 mm, for Rotor F-45-18-17-Cryo, set of 6 pcs.	5702 752 002
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
Adapter , for 1 HPLC vessel 1.5 mL, for Rotor F-45-18-17-Cryo	5427 708 006

Adapter options 6 x 15/50 mL conical tube rotor

Adapter	Rotor capacity ³⁾	Max. tube dimensions Ø x L	Max. RCF	For bore hole	Order no. ⁴⁾
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
			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		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	6 ^{1) 2)}	29.5 × 100 – 125 mm	7,197 × g	large	5427 727 000
Centriprep®	6	29.5 × 100 – 125 mm	7,567 × g	large	5427 723 005

¹⁾ Three sets of 2 included within 6 x 15/50 mL rotor package. ²⁾ Adapter accommodates skirted 50 mL conical tubes. ³⁾ Please perform a manual test to determine the actual loading capacity. ⁴⁾ Set of 2

Eppendorf Microcentrifuges



Model	MiniSpin®/MiniSpin® plus	5418 R	5420
Description	Space saving 12-place mini-centrifuge for quick spin downs even in the smallest workstation, non-refrigerated	Compact refrigerated 18-place microcentrifuge for temperature sensitive samples	Small footprint 24-place microcentrifuge for molecular biology routine applications, non-refrigerated
Max. capacity	12 × 1.5/2.0 mL	18 × 1.5/2.0 mL	24 × 1.5/2.0 mL
Max. RCF	12,100 × <i>g</i> /14,100 × <i>g</i>	16,873 × <i>g</i>	21,300 × <i>g</i>
Max. speed	13,400 rpm/14,500 rpm	14,000 rpm	15,060 rpm
Rotors options	2	1	2
Temperature control range		0 °C to 40 °C	
Dimensions (W × D × H)	22.5 × 23.0 × 13.0 cm / 8.86 × 9.06 × 5.12 in	30 × 46 × 25 cm / 11.7 × 18.23 × 9.8 in	24 × 35 × 22 cm / 9.4 × 13.8 × 8.7 in
Height (with open lid)	25 cm / 9.8 in	52 cm / 20.5 in	44 cm / 17.3 in
Weight w/o accessories	3.7 kg / 8.1 lbs	22 kg / 48.5 lbs	13 kg / 28.7 lbs
Max. power consumption	70 W/85 W	320 W	290 W
Tube/plate/bottle capacity			
1.5/2.0 mL Eppendorf Tubes®	12	18	24
Eppendorf Tubes® 5.0 mL	–	–	–
8-place PCR strips	2	–	4
15 mL conical tubes	–	–	–
25 mL conical tubes	–	–	–
50 mL conical tubes	–	–	–
13 mm round-bottom and blood collection tubes	–	–	–
16 mm round-bottom and blood collection tubes	–	–	–
17.5 mm round-bottom and blood collection tubes	–	–	–
PCR plates/MTP	–	–	–
Deepwell plates (DWP)	–	–	–

**5425/5425 R**

Whisper quiet 24-place standard microcentrifuge with outstanding feature set for broad range of applications, refrigerated for temperature-sensitive samples or non-refrigerated

10 × 5.0 mL

21,300 × *g*

15,060 rpm

6

-10 °C to 40 °C

24 × 39 × 24 cm / 9.5 × 15.4 × 9.5 in/

29 × 48 × 26 cm / 11.42 × 18.9 × 10.24 in

48 cm/50.8 cm

15.6 kg/21.0 kg

280 W/360 W

24

10

12

-

-

-

-

-

-

-

1 (divisible)

-

5427 R

High-throughput 48-place microcentrifuge, refrigerated (green cooling liquid (R290)) for temperature sensitive samples

48 × 1.5/2.0 mL

25,001 × *g*

16,220 rpm

9

-11 °C to 40 °C

31.9 × 54.0 × 25.4 cm /

12.6 × 21.3 × 10 in

56 cm / 21.9 in

30 kg

495 W

48

12

6

-

-

-

-

-

-

-

-

-

5430/5430 R

Crossover microcentrifuge with multipurpose versatility and 12 rotor options including rotor for 15 and 50 mL conical tubes, 30-place high speed rotor and swing-bucket rotor for MTPs or DWPs, refrigerated for temperature-sensitive samples or non-refrigerated

48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP

30,130 × *g*

17,500 rpm

12

-11 °C to 40 °C

34 × 42 × 25 cm / 11.2 × 16.3 × 9.8 in

38 × 64 × 29 cm / 15 × 25.2 × 11.7 in

56 cm / 21.8 in, 63 cm / 24.8 in

29 kg / 63.9 lbs, 56 kg / 123.5 lbs

475 W/1,050 W

48

16

8

6

6

6

12

12

12

12

2

2