








Eppendorf® centrifuges guide










Centrifuges	Microcentrifuges						
							
Application	MiniSpin®	MiniSpin® plus	5418	5424	5430	5415 R	5417 R
Refrigerated	–	–	–	–	–	●	●
Page	126	126	128	129	131	135	136
Fixed-angle rotor							
rcf max. (x g)	12,100	14,000	16,873	20,238	30,130	16,100	25,000
rpm max.	13,400	14,500	14,000	14,680	17,500	13,200	16,400
Swing-bucket rotor							
rcf max. (x g)	–	–	–	–	2,204	–	10,600
rpm max.	–	–	–	–	4,680	–	10,000
Drum rotor							
rcf max. (x g)	–	–	–	–	–	–	–
rpm max.	–	–	–	–	–	–	–
Vessels/plates							
0.2–0.6 ml Eppendorf Tubes®	12	12	18	24	30	36	30
1.5 ml Eppendorf Tubes	12	12	18	24	30	24	30 (F)/8 (A)
2.0 ml Eppendorf Tubes	12	12	18	24	30	24	30 (F)/8 (A)
8-place PCR strips	2	2	–	4	8	–	6
15 ml Falcon®	–	–	–	–	6	–	–
50 ml Falcon	–	–	–	–	6	–	–
1.2–5 ml tubes (11 mm Ø)	–	–	–	–	–	–	–
2.6–7 ml tubes (13 mm Ø)	–	–	–	–	–	–	–
3–15 ml tubes (16 mm Ø)	–	–	–	–	–	–	–
7–17 ml tubes (17.5 mm Ø)	–	–	–	–	–	–	–
7–18 ml tubes (20 mm Ø)	–	–	–	–	–	–	–
18–30 ml tubes (26 mm Ø)	–	–	–	–	–	–	–
30–50 ml tubes (31 mm Ø)	–	–	–	–	–	–	–
50–75 ml tubes (35 mm Ø)	–	–	–	–	–	–	–
80–100 ml tubes (35 mm Ø)	–	–	–	–	–	–	–
180–250 ml tubes bottles (62 mm Ø)	–	–	–	–	–	–	–
20–30 ml Oak Ridge tubes (29 mm Ø)	–	–	–	–	–	–	–
50 ml Oak Ridge tubes (29 mm Ø)	–	–	–	–	–	–	–
85 ml Oak Ridge tubes (38 mm Ø)	–	–	–	–	–	–	–
400 ml bottles	–	–	–	–	–	–	–
MTP / PCR-plates	–	–	–	–	4*1	–	–
Deepwell plates (DWP)	–	–	–	–	–	–	–
Filter plate systems	–	–	–	–	–	–	–

F = Fixed Angle
A = Swing Bucket
T = Drum rotor

* Note: the proper adapters are required to obtain maximum capacity; please check the appropriate rotor and/or adapter combination for proper capacity and sizing.

** Max. loading height: 29 mm.

Eppendorf® centrifuges guide

Small Medical Centrifuges			Multipurpose Benchtop Centrifuges			
						
5702	5702 R	5702 RH	5804	5804 R	5810	5810 R
–	●	●/Heated	–	●	–	●
139	139	139	148	148	148	148
3,000	3,000	3,000	20,800	20,800	20,800	20,800
4,400	4,400	4,400	14,000	14,000	14,000	14,000
–	–	–	4,500	4,500	4,500	4,500
–	–	–	5,000	5,000	5,000	5,000
–	–	–	16,400	16,400	16,400	16,400
–	–	–	14,000	14,000	14,000	14,000
	24 (F)/16 (A)		30 (F)/120 (T)		30 (F)/120 (T)	
	24 (F)/16 (A)		30 (F)/96 (A)/60 (T)		30 (F)/96 (A)/60 (T)	
	24 (F)/16 (A)		30 (F)/96 (A)/60 (T)		30 (F)/96 (A)/60 (T)	
	–		6		6	
	20 (F)/8 (A)		6 (F)/16 (A)		6 (F)/48 (A)	
	4 (A)		6 (F)/8 (A)		6 (F)/20 (A)	
	–		56 (A)		100 (A)	
	40 (A) (rectangular bucket)/16 (A) (round bucket)		36 (A)		100 (A)	
	16 (A) (round bucket)		48 (A)		48 (A)	
	24 (A) (rectangular bucket)/16 (A) (round bucket)		24 (A)		64 (A)	
	–		16 (A)		32 (A)	
	–		8 (A)		16 (A)	
	–		4 (A)		16 (A)	
	–		4 (A)		8 (A)	
	–		4 (A)		4 (A)	
	–		–		4 (A)	
	–		6 (F)		6 (F)	
	–		6 (F)		6 (F)	
	4		6 (F)		6 (F)	
	–		–		4 (A)	
	–		10 (A)		16 (A)	
	–		4 (A)		4 (A)	
	–		4 (A)		4 (A)	



Centrifuge 5430

NEW!



Product features

- Choice of 8 different rotors, e.g. MTP rotor, Falcon® rotor
- 30-place centrifuge
- Unique 30,130 x g
- Automatic rotor recognition
- Stores up to 50 routine programs
- Menu guided operation in 4 different languages
- Backlit graphical liquid crystal display
- Lid automatically pops open at the end of the run

Description

This versatile 30 place centrifuge is incomparably fast and offers a wide range of applications due to the extensive choice of different rotors. This combination of programmable applications, rotor variety and ergonomic control panel makes your daily routine lab work easier and your unique application possible.

The Centrifuge 5430 can be equipped with up to 8 different rotors, which can accommodate tubes such as 1.5/2.0 ml tubes, 15 ml and 50 ml Falcon tubes or MTP plates. The Centrifuge 5430 achieves a maximum g-force of over 30,000 x g.



Centrifugation | Instruments



Technical specifications

Description	Centrifuge 5430
Max. rcf	30,130 x g
Max. rpm	17,500 1/min
Max. capacity	30 x 1.5/2 ml
No. of rotors	8
Acceleration time to max. rpm	<25 s
Braking time to max. rpm	<25 s
Soft ramp	adjustable
Timer	30 s – continuous
Noise level	<68 dB
Dimension (W x D x H)	33 x 42 x 25 cm
Weight without rotor	29 kg
Power supply	230 V/50–60 Hz
Power requirement	475 W

Ordering information

Description	Order no.
Centrifuge 5430 , 230 V/50 Hz, incl. Rotor FA-45-30-11	5427 000.216
without Rotor	5427 000.011



Centrifuge 5430



F-35-6-30
● 6 x 15 ml/50 ml Falcon®/-
Conical tube rotor



A-2-MTP
● 2 x Microplate rotor



FA-45-24-11-HS*1,2
● 24 x 1.5/2.0 ml High-speed
microcentrifuge tube rotor



FA-45-24-11-Kit*2
● 24-place, spin column/-
filter tube rotor



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



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



FA-45-30-11*1,2
● 30 x 1.5/2.0 ml
microcentrifuge tube rotor



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

*1 PTFE coated
*2 Certified aerosol-tight

Centrifuge 5430



Technical specifications, Rotors for Centrifuge 5430

Rotor	Adapter	Max. centrifugation radius r_{\max} (cm)	Max. g-force (rcf) (x g)	Max. rotational speed (1/rpm)
F-45-30-11, FA-45-30-11	without adapter	9.5	20,817	14,000
	0.2 ml	7.4	16,215	14,000
	0.4 ml	9.5	20,817	14,000
	0.5 ml	8.4	18,407	14,000
	0.6 ml	9.5	20,817	14,000
FA-45-24-11-Kit	without adapter	9.8	19,090	13,200
	0.2 ml	7.7	15,000	13,200
	0.4 ml	9.8	19,090	13,200
	0.5 ml	8.7	16,950	13,200
	0.6 ml	9.8	19,090	13,200
FA-45-24-11-HS	without adapter	8.8	30,130	17,500
	0.2 ml	6.7	23,467	17,500
	0.4 ml	8.8	30,130	17,500
	0.5 ml	7.7	26,970	17,500
	0.6 ml	8.8	30,130	17,500
F-45-18-17-Cryo	without adapter	9.4	8,320	8,900
	with adapter	9.0	7,970	8,900
F-35-6-30	15 ml	10.5	7,197	7,830
	50 ml	10.5	7,197	7,830
F-45-64-5-PCR	inner	7.7	11,987	11,800
	outer	8.7	13,543	11,800
A-2-MTP (max. loading height 29 mm)	without adapter	9.0	2,204	4,680
	PCR plates 384	7.7	1,885	4,680
	PCR plates 96	7.3	1,788	4,680
	CombiSlide	7.7	1,885	4,680

Ordering information

Description	Order no.
Rotor F-45-30-11 , incl. rotor lid, coated	5427 712.003
Rotor lid for F-45-30-11, coated	5427 718.001
Rotor FA-45-30-11 , incl. rotor lid, aerosol-tight, coated	5427 713.000
Rotor lid for FA-45-30-11, aerosol-tight, coated	5427 719.008
Rotor FA-45-24-11-HS , incl. rotor lid, aerosol-tight, coated	5427 710.000
Rotor lid for FA-45-24-11-HS, aerosol-tight, coated	5427 711.007
Rotor FA-45-24-11-Kit , incl. rotor lid, aerosol-tight	5427 703.004
Rotor lid for FA-45-24-11-Kit, aerosol-tight	5427 704.000
Rotor F-45-18-17-Cryo , incl. rotor lid	5427 705.007
Rotor lid for F-45-17-17-Cryo	5427 707.000
Rotor F-45-64-5-PCR , incl. rotor lid	5427 714.006
Rotor lid for F-45-64-5-PCR	5427 720.006
Adapters 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
Spare rotor lid for F-35-6-30	5427 715.002
Adapter sleeve for 50 ml Centriprep tubes (set of 6)	5427 723.005
Adapter 1 x 50 ml Falcon for rotor F-35-6-30 (set of 2)	5427 727.000
Adapter 1 x 15 ml Falcon for rotor F-35-6-30 (set of 2)	5427 726.004
Rotor A-2-MTP , incl. 2 MTP buckets and rotor lid	5427 700.005
Rotor lid for A-2-MTP	5427 725.008
Spare MTP buckets for A-2-MTP (set of 2)	5427 722.009
Fuse 2 x 4,0 AT (230 V) 5 x 20 mm	5301 850.249
Rotor key (see 5417 C/R, 5702/5702 R/5702 RH)	5416 301.001

