








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 5424



Product features

- Standard rotor 24 x 1.5/2.0 ml, aerosol-tight
- 18 place Kit rotor
- 4 x PCR 8-tube strip rotor
- Max. 20,238 x g
- Choice of 4 different rotors
- Extraordinarily silent, even without rotor lid
- Coated rotor for even better chemical resistance
- Available optionally with turning knobs or membrane keypad
- Knob version for faster setting of parameters
- Foil version for easier cleaning of the display
- Automatic lid opening
- Low access height

Description

The new variable 24 place Eppendorf microcentrifuge with its' four rotors fits perfectly into every molecular and biological lab. This product serves the demand for a premium 24 place microcentrifuge. The microcentrifuge 5424 is by standard equipped with an aerosol tight rotor. It can be operated without the rotor lid for customer convenience without any significant increase in noise level.



Centrifugation | Instruments

Technical specifications

Description	Centrifuge 5424
Max. rcf	20,238 x g
Max. rpm	14,680 1/min
Max. capacity	24 x 1.5/2 ml
No. of rotors	4
Acceleration time to max. rpm	15 s
Braking time to max. rpm	15 s
Soft ramp	adjustable
Timer	30 s – continuous
Noise level	<56 dB(A)
Dimension (W x D x H)	24 x 32 x 23 cm
Weight without rotor	13.4 kg
Power supply	230 V/50–60 Hz
Power requirement	220 W

Ordering information

Description	Order no.
Centrifuge 5424 , 230 V/50 Hz, Knob, incl. Rotor FA-45-24-11	5424 000.410
Foil, incl. Rotor FA-45-24-11	5424 000.010
Knob, without Rotor	5424 000.614
Foil, without Rotor	5424 000.215



Centrifuge 5424



● FA-45-24-11-Special*1

● F-45-18-11-Kit

Technical specifications, rotors for Centrifuge 5424

Rotor	Adapter	Max. rcf (x g) 230 V, 14,680 rpm
FA-45-24-11, FA-45-24-11-Special	without Adapter	20,238 x g
	0.2 ml	15,179 x g
	0.4 ml	20,238 x g
	0.5 ml	17,588 x g
	0.6 ml	20,238 x g
F-45-18-11-Kit	without Adapter	17,347 x g
	0.2 ml	12,288 x g
	0.4 ml	17,347 x g
	0.5 ml	14,697 x g
	0.6 ml	17,347 x g
F-45-32-5-PCR		17,829 x g

● The Kit rotor with the extended rim for safe centrifugation of spin columns with open tube lids

Ordering information

Description	Order no.
Rotor FA-45-24-11 , incl. rotor lid, aerosol-tight	5424 702.007
Rotor lid for FA-45-24-11, aerosol-tight	5424 703.003
Rotor FA-45-24-11-Special , incl. rotor lid, aerosol-tight, coated*1	5424 700.004
Rotor lid for FA-45-24-11-Special, aerosol-tight, coated*1	5424 701.000
Rotor F-45-18-11-Kit , incl. rotor lid	5424 706.002
Rotor lid for F-45-18-11-Kit	5424 707.009
Rotor F-45-32-5-PCR , incl. rotor lid	5424 704.000
Rotor lid for F-45-32-5-PCR	5424 708.005
Rotor key (see 5417 C/R, 5702/5702 R/5702 RH)	5416 301.001
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®*2, set of 6	5425 716.001

*1 PTFE coated

*2 Registered trademark of Becton Dickinson.

