








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.

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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)	

Personal microcentrifuges MiniSpin® and MiniSpin® plus



Product features

- Extremely compact with exceptionally small footprint
- 12 x 1.5 ml/2.0 ml capacity rotor
- Spin up to 14,000 x g
- Deceleration and acceleration of <13 s
- Clear, easy-to-use digital display of time and speed
- Remarkably quiet operation
- Metal rotor housing
- Conforms to IEC 1010-2-020 safety regulations
- Separate Short Spin button for fast, convenient quick spins
- Excellent air-flow minimizes heating—protects temperature-sensitive samples
- Lid automatically opens at the end of the run to reduce handling time
- Maintenance-free drive
- Rotor is autoclavable at 121°C, 20 min
- Chemical resistant inner centrifuge lid

Description

Powerful and easy-to-use MiniSpin and MiniSpin plus personal microcentrifuges are small enough so that each workstation can be equipped with a “personal” centrifuge for a wide range of molecular biology separations and quick spins. Two models are available to meet your performance requirements.



● MiniSpin® plus

● MiniSpin®



Personal microcentrifuges MiniSpin® and MiniSpin® plus

Technical specifications

Description	MiniSpin	MiniSpin plus
Maximum rcf	12,100 x g	14,000 x g
Maximum speed	13,400 rpm	14,500 rpm
Speed set and displayed in rpm and rcf	No	Yes
Rotor capacity	12 x 1.5 ml/2.0 ml (adapters available for smaller tubes)	12 x 1.5 ml/2.0 ml (adapters available for smaller tubes)
Acceleration time to max. speed	13 s	13 s
Braking time from max. speed	12 s	12 s
Timer	15 s to 30 min	15 s to 99 min, with continuous function
Dimensions (W x D x H)	22.6 x 23.9 x 11.9 cm	22.6 x 23.9 x 11.9 cm
Net weight, incl. rotor	4.3 kg	4.3 kg
Power supply	230 V/50–60 Hz	230 V/50–60 Hz
Power requirement	70 W	85 W



- Use the arrow keys to quickly select the run time and speed



- PCR strip rotor

Ordering information

Description	Order no.
MiniSpin®	
230 V/50–60 Hz, incl. standard rotor, anodized aluminum, 45° angle, 12 bores for 1.5/2.0 ml tubes with max. 11 mm Ø, complete with stainless steel lid	5452 000.018
MiniSpin® plus	
230 V/50–60 Hz, incl. "Black Line" rotor, in refined black aluminum, 45° angle, 12 bores for 1.5/2.0 ml tubes with max. 11 mm Ø, complete with stainless steel lid	5453 000.011
Rotor lid (stainless steel) for F-45-12-11 with knurled nut	5452 702.000
Rotor F-55-16-5-PCR , incl. rotor lid, r_{max} : 4.9 cm, 13,400 rpm = 9,840 g, 14,500 rpm = 11,520 g	5452 727.007
Rotor lid (stainless steel) for F-55-16-5-PCR	5452 730.008
Adapter	
For 0.5 ml tubes and 0.6 ml Microtainer®*1, set of 6	5425 716.001
For 0.4 ml tubes; set of 6	5425 717.008
For 0.2 ml PCR tubes; set of 6	5425 715.005

*1 Registered trademark of Becton Dickinson.