

# Reliable Performance

Centrifuge 5804/5804 R and Centrifuge 5810/5810 R



# Introducing the Eppendorf 58xx centrifuge family

## Reliable performance

The Eppendorf approach to product development is, and always has been, about giving you more. More quality, more innovation. All of our centrifuges personalize this philosophy.

They all go beyond speed and capacity to offer you unparalleled ergonomic operation, superior temperature control and outstanding product quality. Each centrifuge is designed to operate at low noise levels for a relaxing work environment and offers soft-touch lid closure for ease of use and a low profile for easy loading and unloading of samples.

Refrigerated model centrifuges have exclusive features such as ECO shut-off and dynamic compressor control for maximum sample protection and energy savings.

## New rotor generation

Eppendorf is continuously updating the centrifuge portfolio to meet changing customer needs.

Eppendorf is now introducing a new rotor generation elevating your centrifuge performance to a new level.

Enjoy unique product features that improve handling and performance. A special highlight: The new swing-bucket rotors increase the capacity of Centrifuge 5804/5804 R to 4 × 250 mL and Centrifuge 5810/5810 R to 4 × 750 mL. Considering its small footprint, Centrifuge 5810/5810 R may be the most compact 3 liter centrifuge currently available.

# The benchmark in ergonomic operation

## Low profile for easy operation

The 58xx centrifuges are designed with a particularly low height in mind. Not only does the low profile facilitate easy loading and unloading, it also allows everyone in the lab to easily reach the open centrifuge lid.



## Soft-touch lid closure

There's no need to exert unnecessary high force when closing the centrifuge lid. The soft-touch lid closure allows closing the centrifuge with ease.



## NEW Eppendorf QuickLock® caps for one-hand operation

Aerosol-tight caps provide the needed safety when working with hazardous samples such as viruses, bacteria, blood or radioactive samples. The caps for the new 4 x 750 mL swing-bucket rotor allow for easy, one-handed operation. Its unique design allows the closed bucket to be carried securely to the biosafety cabinet.



## Eppendorf QuickLock® rotor lids for ergonomic lid locking

Our aerosol-tight QuickLock rotors close with only ¼ of a turn. This not only saves you time during every day use, it also takes repetitive stress off your wrist.



# Centrifuge 5804/5804 R



Centrifuge 5804 with plate rotor A-2-DWP



Centrifuge 5804 R with rotor S-4-72 (4 x 250 mL)

The Centrifuge 5804/5804 R is a high speed centrifuge for medium capacity needs. It allows for molecular applications in tubes up to 250 mL and offers additional swing-bucket and fixed-angle rotors as well as deepwell plate capacity for increased versatility. Common rotors for Centrifuge 5804/5804 R include:



**S-4-72**  
4 x 250 mL swing-bucket rotor for blood, bacteria, cell culture centrifugation. Max. speed 3,155 x g (4,200 rpm).



**A-2-DWP**  
2-place deepwell plate rotor for plates up to 89 mm loading height. Max. speed 2,250 x g (3,750 rpm).



**FA-45-6-30**  
6 x 50 mL conical tube rotor with aerosol-tight QuickLock lid for tubes from 5–50 mL. Max. speed 16,639 x g (11,000 rpm).



**FA-45-30-11**  
30 x 1.5/2 mL micro tube rotor with aerosol-tight lid for safe centrifugation of hazardous samples. Max. speed 20,800 x g (14,000 rpm).



Eppendorf recognizes its responsibility as a global citizen. Protecting the environment is critical to the conservation of precious natural resources. The Eppendorf epGreen initiative is another example of our commitment to social responsibility. Our goal is to constantly reduce the environmental impact of our business operations and the products that we produce.

## Centrifuges in general

- > Use of brushless induction motors to provide maintenance-free operation, eliminating carbon particle emissions
- > Rotors are mostly made of recyclable aluminum
- > Optimized sound design for low noise levels to benefit your work environment
- > 100 % recyclable packaging material

# Centrifuge 5810/5810 R



Centrifuge 5810 with rotor S-4-104 (4 x 750 mL)



Centrifuge 5810 R with rotor S-4-104 (4 x 750 mL)

The Centrifuge 5810/5810 R is a workhorse for medium to high-throughput laboratories. It combines extraordinary versatility and capacity for both tubes and plates with an extraordinary compact footprint. Common rotors for Centrifuge 5810/5810 R include:



S-4-104

4 x 750 mL swing-bucket rotor. Plate and round buckets available for maximum versatility. Max. speed  $3,214 \times g$  (3,900 rpm).



A-2-DWP-AT

Aerosol-tight deepwell plate rotor for plates up to 89 mm loading height. Max. speed  $3,486 \times g$  (4,500 rpm).



FA-45-6-30

6 x 50 mL conical tube rotor with aerosol-tight QuickLock lid for tubes from 5–50 mL. Max. speed  $20,130 \times g$  (12,000 rpm).



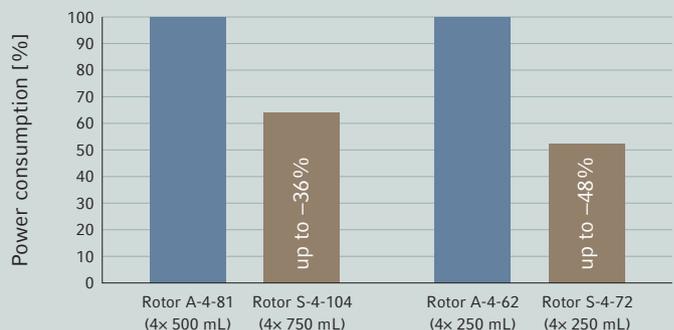
FA-45-48-11

48 x 1.5/2 mL micro tube rotor with aerosol-tight QuickLock rotor lid for safe centrifugation of hazardous samples. Max. speed  $19,083 \times g$  (13,000 rpm).

## Refrigerated models additionally feature

- > Dynamic compressor control for optimized cooling performance
- > CFC-free refrigerant with an ozone depletion potential (ODP) of zero
- > ECO shut-off deactivates the compressor after 8 hours of inactivity to reduce energy consumption and extend compressor life

## Energy saving through new swing-bucket rotor generation\*



\* based on internal testing with Centrifuge 5810 R, 220 V

# Performance you can count on



> Watch video clips of Centrifuge 5810 R incl. the new rotor generation on our optimized webpage for mobile devices or [www.eppendorf.com/centrifugation](http://www.eppendorf.com/centrifugation)

**Ergonomic lid operation**

- > Soft-touch lid closure and low opening height for stress-free lid locking

**Optimized cooling performance**

- > Dynamic compressor control with ECO shut-off function

**Mixed loading capability**

- > Rotors S-4-104 and A-4-81 provide mixed loading capability with plate and tube buckets for increased versatility

**Quiet operation**

- > All models are designed to operate at low noise levels for a relaxing work environment

**Low access height (29 cm)**

- > Easy loading/unloading of samples

**Placement flexibility**

- > Compact footprint
- > Low opening height for use under shelves
- > Rolling cabinet option available for use in crowded labs

**Outstanding versatility for all your applications**

- > Broad rotor and adapter selection to spin all commonly used tubes, bottles, flasks, and plates
- > High centrifugation speed up to  $20,913 \times g$  (14,100 rpm) for molecular applications in tubes from 0.2 to 750 mL
- > Aerosol-tight rotors (e.g. for potentially hazardous materials like pathogenic bacteria, viruses, blood samples or radioactive material)

**The benchmark for ergonomic operation**

- > Low sound level to benefit your work environment
- > Low access height (29 cm) for easy loading/unloading
- > Centrifuge lid with soft-touch lid closure

**Designed to fit in every lab**

- > Compact footprint saves valuable bench space
- > Low lid opening height for use under shelves
- > Automatic rotor recognition and imbalance detection for maximum operational safety

**Advanced temperature management for maximum sample protection and energy efficiency**

- > Temperature range from  $-9\text{ }^{\circ}\text{C}$  to  $40\text{ }^{\circ}\text{C}$
- > Maintains constant  $4\text{ }^{\circ}\text{C}$ , even at maximum speed (rotors F-34-6-38 and FA-45-6-30 maintain  $4\text{ }^{\circ}\text{C}$  at 11,000 rpm)
- > FastTemp™ function for quick pre-cooling
- > Standby cooling function holds temperature when centrifuge is not in use
- > ECO shut-off engages after 8 hours of non-use to reduce energy consumption and extend compressor life
- > Built-in condensation drain to eliminate water accumulation and prevent corrosion
- > Dynamic compressor control (DCC) technology for optimized cooling performance

# Rotor design at its best

Eppendorf is introducing the new generation of swing-bucket and fixed-angle rotors elevating your centrifuge performance to a new level. Enjoy unique product features that improve handling and performance.

## Swing-bucket rotors

### Improved energy efficiency

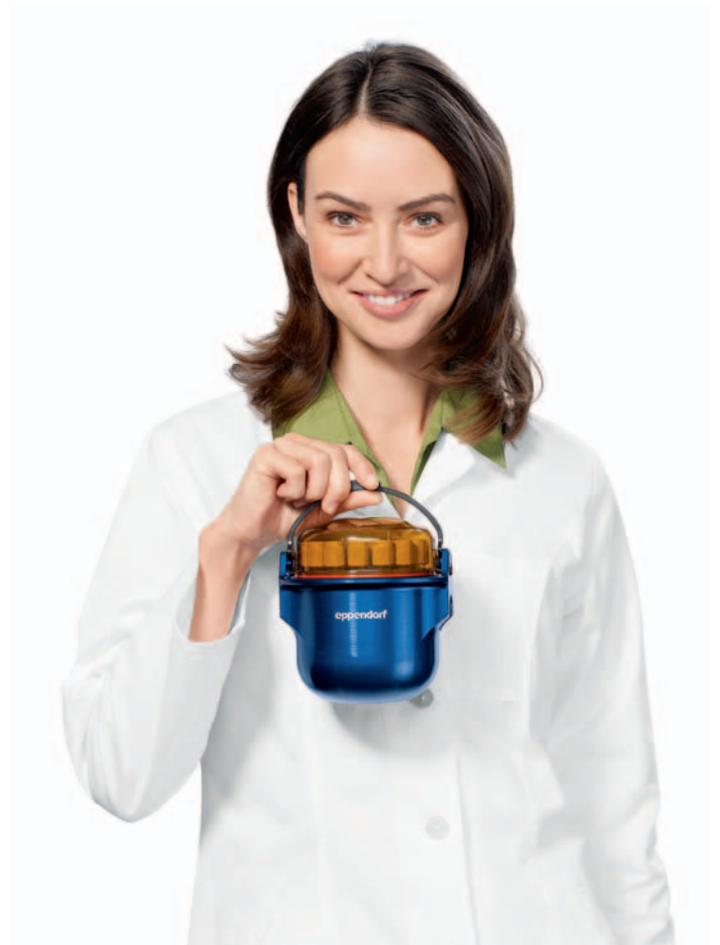
The new round buckets have been designed to be especially aerodynamic. The result is a more efficient design that reduces power consumption by up to 48 %.

### Longer rotor lifetime

The new rotor generation of both swing-bucket and fixed-angle rotors has been designed with a particularly long lifetime in mind.

### New Eppendorf QuickLock® caps for one-hand operation

- > Significantly improved handling, easy operation with one or two hands
- > Handle allows the closed bucket to be carried to the biosafety cabinet where it can be opened in a safe environment
- > Aerosol-tightness has been tested and verified by HPA, Porton Down, UK



## Fixed-angle rotors

### Low rotor weight

Eppendorf's fixed-angle rotors are among the lightest in the industry to improve handling and operational safety. Light-weight rotors cause less wear and tear on the motor and allow for faster acceleration and braking times.

### Eppendorf QuickLock® lids for ergonomic lid locking

Our aerosol-tight QuickLock rotors close with only  $\frac{1}{4}$  of a turn. This not only saves you time during every day use, it also takes repetitive stress off your wrist.

### Superior temperature control

Aluminum, with its high heat conductivity, allows fast pre-cooling and accurate temperature control in refrigerated centrifuges.

### Additional rotor features

- > All rotors are anodized for high chemical resistance and to prevent corrosion
- > Optimized design of rotor boreholes and adapters provide optimal support for high-speed centrifugation of tubes
- > Aluminum rotors are recyclable



### Cross section of Rotor FA-45-6-30

(6 × 50 mL conical) showing the light-weight design. All metal not needed for safety or performance is hollowed out to reduce weight and improve handling.

# Exceptional versatility

## Overview of the main rotors

Rotor image					
					
<b>Rotor name</b>	S-4-104 (4 × 750 mL) aerosol-tight QuickLock caps	A-4-81 (4 × 500 mL) aerosol-tight	A-4-62 (4 × 250 mL) aerosol-tight	S-4-72 (4 × 250 mL)	A-4-44 (4 × 100 mL) aerosol-tight
<b>5804/ 5804 R</b>				x	x
<b>5810/ 5810 R</b>	x	x	x	x	x
<b>Positioning and applicational range</b>	High-capacity swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation	Medium to High capacity swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation	Economic swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation	Economic swing-bucket rotor for blood, bacteria, cell culture centrifugation	High-speed swing-bucket rotor for platelet poor plasma, blood, bacteria and cell culture centrifugation
<b>Aerosol-tightness</b>	yes	yes	yes	no	yes
<b>Max. speed (RCF)</b>	3,214	3,220	3,220	3,234	4,500
<b>Max. speed (rpm)</b>	3,900	4,000	4,000	4,200	5,000
<b>Volume range</b>	0.2–750 mL MTP/DWP	0.2–500 mL, MTP/DWP	0.2–250 mL, MTP/DWP	0.2–250 mL	0.2–100 mL
<b>15 mL conical</b>	56	48	36	32	16
<b>50 mL conical</b>	28	20/28* <sup>1</sup>	16	16	4/8* <sup>1</sup>
<b>13 mm blood tube</b>	92	100	60	56	36
<b>16 mm blood tube</b>	80	64	48	52	28
<b>1.5/2.0 mL micro tube</b>	200	96	64	104	48
<b>MTP</b>	16	16	12		
<b>DWP</b>	4	4	4		

\*<sup>1</sup> Maximum capacity with dedicated 50 mL bucket.



**epServices**  
for premium performance

### Your centrifuge in safe hands with Eppendorf Centrifuge & Rotor Service

Quality Management Systems increasingly ask for regular inspection of centrifuges and rotors in an operational or disassembled state to ensure a safe working environment. For the instrument's peak performance and years of productive operation, an annual inspection of centrifuges and rotors by an Eppendorf certified service technician is highly recommended.

				
A-2-DWP-AT (2 × 6 MTP) aerosol-tight	A-2-DWP (2 × 5 MTP)	F-34-6-38 (6 × 85 mL)	FA-45-6-30 (6 × 50 mL) aerosol-tight QuickLock lid	FA-45-48-11 (48 × 2 mL) aerosol-tight QuickLock lid
	x	x	x	x
x	x	x	x	x
Aerosol-tight deepwell plate rotor for safe centrifugation of hazardous samples.	Economic deepwell plate rotor	High-speed rotor suitable for molecular applications in tubes up to 85 mL	Aerosol-tight high-speed rotor for safe centrifugation of hazardous samples	Aerosol-tight microcentrifuge tube rotor for safe centrifugation of hazardous samples
yes	no	no	yes	yes
3,486	2,250	18,500/15,500*2	20,130/16,639*2	19,083
4,500	3,700	12,000/11,000*2	12,100/11,000*2	13,000
MTP/DWP	MTP/DWP	0.2–85 mL	5–50 mL	0.2–2.0 mL
		6	6	
		6	6	
		18	6	
		12	6	
48	48	24		48
12	10			
4	4			

\*2 Max. speed in Centrifuge 5810 R, lower speed applies to Centrifuge 5804/5804R/5810.

With Eppendorf service programs we make sure that temperature accuracy, rotational speed verification and operating time meet all technical specifications. Operational Qualification (OQ) is designed to safeguard your results as well as satisfy legal, governmental and internal laboratory requirements with the necessary certification documents.

Eppendorf's rotor inspection program includes cleaning, instructions for proper care and visual examination of rotors and adapters determining if the rotor is safe for further operation or needs to be replaced.

> Further information and local offers in your country: [www.eppendorf.com/epServices](http://www.eppendorf.com/epServices)

# New: Rotor S-4-104



## Product features

- > High capacity swing-bucket rotor with max. speed  $3,214 \times g$  (3,900 rpm)
- > Broad range of adapters enables high versatility for tubes and flasks from 0.2 mL to 750 mL and plates
- > Aerodynamic round bucket design for up to 36% energy savings compared to Rotor A-4-81
- > Mixed loading with 2 plate buckets and 2 round tube buckets allows for increased versatility
- > Aerosol-tight QuickLock caps for safe centrifugation of hazardous samples optionally available\*<sup>1</sup>
- > Rotor life time: max. 100,000 cycles
- > Buckets, caps and adapters are autoclavable



## Tube



### Tube capacity (mL)

1.5/2.0

2.6-8

5.5-12

9

Eppendorf  
Tube® 5.0 mL

15 mL  
conical

### Max. tube diameter (Ø mm)

11

13

16

17.5

17

17

### Max. vessel height (mm)

39

115

119

111

60

125

### Max. vessel height for use with aerosol-tight lid (mm)\*<sup>2</sup>

39

108

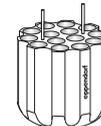
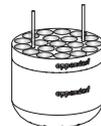
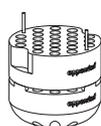
114

106

60

120

### Adapter/bucket options for Rotor S-4-104



### Capacity per bucket/rotor

50/200

23/92

20/80

20/80

14/56

14/56

### Adapter bottom shape

flat

round

round

round

conical

conical

### Centrifugation radius (mm)

188

179

180

179

189

188

### Max. RCF (g-force)

3,197

3,044

3,061

3,044

3,214

3,197

### Order no. (set of 2)

5825 740.009

5825 738.004

5825 736.001

5825 743.008

5825 739.000

5825 734.009

\*<sup>1</sup> Aerosol-tightness tested by Health Protection Agency, Porton Down, UK.

\*<sup>2</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

\*<sup>3</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.

\*<sup>4</sup> Available as a set of 2 bottles (see ordering information).

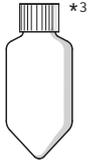
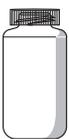
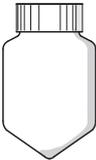
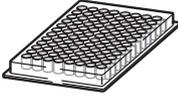
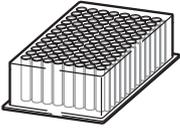
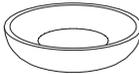
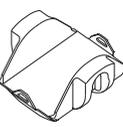
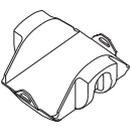
\*<sup>5</sup> Please note that a software upgrade will be necessary for older centrifuges when using Rotor S-4-104. Please contact your local Eppendorf organization or dealer for further information.

**Ordering information**

Description	Max. rot. speed (rpm)	Max. rcf ( $\times g$ )	Rotor radius (cm)	Order no.
<b>Rotor S-4-104*5</b>				
Rotor S-4-104, incl. 4 $\times$ 750 mL round buckets	3,900	3,214	18.9	5820 740.000
Rotor S-4-104, incl. 4 $\times$ Plate bucket (aerosol-tight capable)	3,900	2,568	15.1	5820 754.001
Rotor S-4-104, incl. 4 $\times$ Plate bucket	3,900	2,619	15.4	5820 753.005
Rotor S-4-104, without buckets				5820 755.008
<b>Buckets for Rotor S-4-104*5</b>				
Plate bucket (aerosol-tight capable), incl. plate carrier, set of 4	3,900	2,568	15.1	5820 743.000
Plate bucket (aerosol-tight capable), incl. plate carrier, set of 2	3,900	2,568	15.1	5820 744.006
Plate bucket, set of 4	3,900	2,619	15.4	5820 745.002
Plate bucket, set of 2	3,900	2,619	15.4	5820 746.009
Bucket for microfluidic card, set of 2	3,900			5820 751.002

**Accessories**

Aerosol-tight caps*1, for 750 mL round buckets, set of 2				5820 747.005
Aerosol-tight caps*1, for Plate bucket (aerosol-tight capable), set of 2				5820 748.001
750 mL wide-mouth bottle, set of 2	3,900	3,146	18.5	5820 708.000

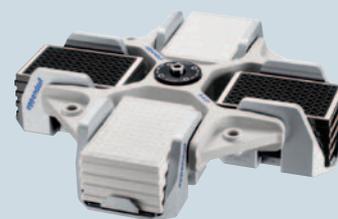
									
50 mL conical	50 mL conical skirted	175–225 mL conical	250 mL flat	500 mL Corning®	750 mL Eppendorf bottle*4 (order no. 5820 708.000)	MTP and PCR plates	DWP		
31	31	62	98	104	–	–	–	–	–
122	120	145	136	150	60	60	60	60	60
116	116	125	–	–	–	45	–	–	45
									
7/28 conical	5/20 conical, skirted	1/4 flat	1/4 conical	1/4 flat	4/16 flat	4/16 flat	1/4 flat	1/4 flat	
187	178	183	187	185	154	151	154	151	
3,180	3,027	3,112	3,171	3,146	2,619	2,568	2,619	2,568	
5825 733.002	5825 732.006	5825 741.005	5825 745.000	5825 744.004	5820 746.009	5820 744.006	5820 746.009	5820 744.006	

# Rotor A-4-81

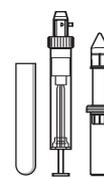
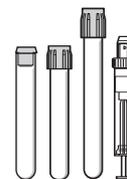
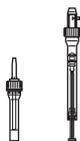


## Product features

- > Swing-bucket rotor with max. speed  $3,220 \times g$  (4,000 rpm)
- > Rotor A-4-81 accommodates tubes and flasks from 0.2 mL to 500 mL as well as plates
- > Aerosol-tight caps\*<sup>1</sup> for safe centrifugation of hazardous samples optionally available
- > Mixed loading with 2 plate buckets and 2 rectangular tube buckets allows for increased versatility
- > Rotor life time: max. 100,000 cycles
- > Buckets, caps and adapters are autoclavable



## Tube



Tube capacity (mL)	1.5/2	1.2-5	1.8-7	2.6-7	4-10	7-17	Eppendorf Tube® 5.0 mL and 15 mL conical
Max. tube diameter (Ø mm)	11	11	13	13	16	17.5	17
Max. vessel height (mm)* <sup>2</sup>	118	118	118	118	118 (130 mm in 2 inner rows)* <sup>2</sup>	118 (130 mm in 2 inner rows)* <sup>2</sup>	122
Max. vessel height for use with aerosol-tight lid* <sup>1</sup> (mm)	108	108	108	108	108 (130 mm in 4 center pos.)* <sup>2</sup>	108 (130 mm in 4 center pos.)* <sup>2</sup>	120
Adapter/bucket options for Rotor A-4-81							
Capacity per bucket/rotor	20/80	20/80	25/100	18/72	16/64	16/64	12/48
Adapter bottom shape	flat	flat with rubber mat	flat with rubber mat	conical			
Centrifugation radius (cm)	16.5	16.8	16.8	16.8	16.8	16.8	17.3
Max. RCF (g-force)	2,950	3,000	3,000	3,000	3,000	3,000	3,100
Order no. (set of 2)	5810 745.004	5810 746.000	5810 720.001	5810 747.007	5810 748.003	5810 721.008	5810 722.004

\*<sup>1</sup> Aerosol-tightness tested by Health Protection Agency, Porton Down, UK.

\*<sup>2</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor.

Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

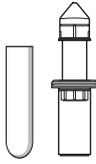
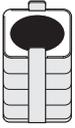
\*<sup>3</sup> Only Centriprep® tube without locking lid.

## Ordering information

Description	Max. rot. speed (rpm)	Max. rcf ( $\times g$ )	Rotor radius (cm)	Order no.
<b>Rotor A-4-81</b>				
Rotor A-4-81, incl. 4 $\times$ 500 mL rectangular buckets	4,000	3,220	18.0	5810 718.007
Rotor A-4-81, incl. 4 $\times$ MTP/Flex plate buckets	4,000	2,900	16.3	5810 725.003
Rotor A-4-81 without buckets	4,000	–	–	5810 743.001
<b>Buckets for Rotor A-4-81</b>				
Bucket, 500 mL rectangular, set of 4	4,000	3,220	18.0	5810 730.007
Bucket, 7 $\times$ 50 mL conical, set of 4	4,000	3,220	18.0	5825 730.003
Bucket, MTP/Flex plates, set of 2	4,000	2,900	16.3	5810 742.005
Bucket, MTP/Flex plates, set of 4	4,000	2,900	16.3	5810 741.009

## Accessories

Aerosol-tight cap <sup>2</sup> for 500 mL rectangular bucket, set of 2	5810 724.007
Bottle 400 mL wide-mouth, includes stabilizing sleeves, set of 2	5810 729.009
Bottle 500 mL wide-mouth, set of 2	5820 707.003
Spare rubber mat, for 500 mL bucket adapter, set of 4	5810 734.002
Spare adapter clamp, for 500 mL bucket adapter, set of 2	5810 735.009
Spare rubber base mat, for MTP/Flex bucket, set of 2	5810 737.001

		<sup>*3</sup> 	<sup>*4</sup> 						
50 mL conical	50 mL conical, skirted	30–50 mL and 50 mL Centriprep®	175–225 conical	180–250	400 mL bottle* <sup>5</sup> (5810 729.009)	500 mL bottle* <sup>5</sup> (5820 707.003)	MTP and PCR plates	Cell culture plates	DWP
31	31	29	61	81	83	–	–	–	
122	122	122	133	135	135	60	60	60	
116	–	116	–	–	135	–	–	–	
						no adapter needed	See page 23 for additional adapters		
5/20 conical	7/28 conical	5/20 flat with rubber mat	1/4 flat with rubber mat	1/4 flat, rubber	–	–	4/16	2/8	1/4
17.3	18.0	17.3	17.3	18.0	18.0	–	16.3		
3,100	3,250	3,100	3,100	3,220	3,220	–	2,900		
5810 723.000	5825 730.003* <sup>7</sup>	5810 739.004	5825 722.000	5810 728.002	–	–	5810 742.005	5810 741.009* <sup>6</sup>	

\*<sup>4</sup> Please note that these conical flasks need to be used together with

a conical form insert provided by the flask manufacturer.

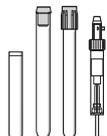
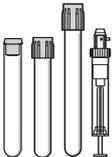
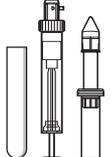
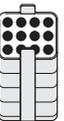
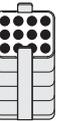
\*<sup>5</sup> Available as a set of 2 flasks (see ordering information).\*<sup>6</sup> Set of 4.

# Rotor A-4-62



## Product features

- > Economic swing-bucket rotor with speed up to  $3,220 \times g$  (4,000 rpm)
- > Rotor A-4-62 accommodates tubes and flasks from 0.2 mL to 250 mL as well as plates
- > Aerosol-tight caps\*<sup>1</sup> for safe centrifugation of hazardous samples optionally available
- > Rotor life time: max. 40,000 cycles
- > Rotor, buckets, caps and adapters are autoclavable

Tube								
Tube capacity (mL)	1.5/2	1.2–5	1.8–7	4–10	7–17	Eppendorf Tube® 5.0 mL and 15 mL conical	7–18	18–30
Max. tube diameter (Ø mm)	11	11	13	16	17.5	17	20	26
Max. vessel height (mm)* <sup>2</sup>	122	123	121	121 (130 mm in 2 center rows)* <sup>2</sup>	118 (130 mm in 2 center rows)* <sup>2</sup>	127	126	119
Max. vessel height for use with aerosol-tight lid* <sup>1</sup> (mm)	118	115	118	116 (130 mm in 2 inner pos.)	114 (130 mm in 2 inner pos.)	121	119	116
Adapter/bucket options for Rotor A-4-62								
Capacity per bucket/rotor	16/64	25/100	15/60	12/48	12/48	9/36	8/32	4/16
Adapter bottom shape	flat	flat with rubber mat	conical	flat with rubber mat	flat with rubber mat			
Centrifugation radius (cm)	17.1	17.3	17.3	17.3	17.3	17.8	17.3	17.3
Max. RCF (g-force)	3,000	3,050	3,050	3,050	3,050	3,150	3,050	3,050
Order no. (set of 2)	5810 751.004	5810 750.008	5810 752.000	5810 753.007	5810 754.003	5810 755.000	5810 756.006	5810 757.002

\*<sup>1</sup> Aerosol-tightness tested by the Centre for Health Protection Agency, Porton Down, UK.

\*<sup>2</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

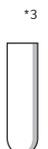
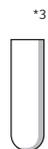
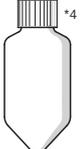
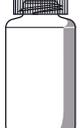
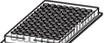
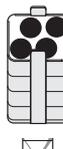
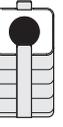
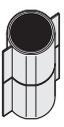
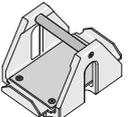
\*<sup>3</sup> For high g-forces we recommend using centrifuge tubes of Duran® glass.

## Ordering information

Description	Max. rot. speed (rpm)	Max. rcf ( $\times g$ )	Rotor radius (cm)	Order no.
<b>Rotor A-4-62</b>				
Rotor A-4-62, incl. 4 $\times$ 250 mL rectangular buckets	4,000	3,220	18.0	5810 709.008
Rotor A-4-62, incl. 4 $\times$ MTP plate buckets	4,000	2,750	15.4	5810 711.002
<b>Buckets for Rotor A-4-62</b>				
Bucket, 250 mL rectangular, set of 4	4,000	3,220	18.0	5810 716.004
Bucket, MTP plates, set of 4	4,000	2,750	15.4	5810 702.003

## Accessories

Aerosol-tight cap*1 for 250 mL rectangular bucket, set of 2				5810 710.006
Spare rubber mat, for 250 mL bucket adapter, set of 4				5810 782.007
Spare adapter clamp, for 250 mL bucket adapter, set of 2				5810 781.000
Spare rubber base mat, for MTP bucket, set of 2				5810 737.001

									
30-50	50 mL conical, skirted	50 mL conical	50-75	80-120	175-225 conical	180-250	MTP and PCR plates	Cell culture plates	DWP
29	31	31	35	45	62	-	-	-	-
122	122	122	122	139	137	53	53	53	
116	-	-	116	118	125	127	-	-	-
									
5804 737.008						See page 23 for additional adapters			
4/16	4/16	3/12	2/8	1/4	1/4	4/16	2/8	1/4	
flat with rubber mat	flat w/conical form insert <sup>6</sup>	conical	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat			
17.3	17.3	17.8	17.3	17.3	18.0	15.4			
3,050	3,050	3,150	3,050	3,050	3,200	2,750			
5810 759.005	5810 763.002	5810 758.009	5810 760.003	5810 761.000	5810 770.009	5810 702.003* <sup>6</sup>			

\*4 Please note that these conical flasks need to be used together with a conical form insert provided by the manufacturer.

\*5 Form inserts for 50 mL conical tubes included in delivery. Reorder catalog no. 5804 737.007.

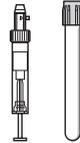
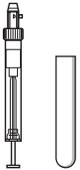
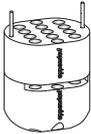
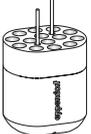
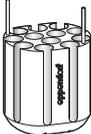
\*6 Set of 4.

# New: Rotor S-4-72



## Product features

- > Medium capacity swing-bucket rotor with speed up to  $3,234 \times g$  (4,200 rpm)
- > Broad range of adapters available to handle all common tube formats from 0.2 mL to 250 mL
- > Aerodynamic round bucket design for up to 48% energy savings compared to Rotor A-4-62
- > Rotor life time: max. 60,000 cycles
- > Buckets and adapters are autoclavable

Tube					
Tube capacity (mL)	1.5/2.0	2.6–8 mL	5.5–12	9	Eppendorf Tube® 5.0 mL
Max. tube diameter (Ø mm)	11	13	16	17.5	17
Max. vessel height (mm)*1	43	115	112	113	60
Max. vessel height for use with aerosol-tight lid*1 (mm)	–	–	–	–	–
Adapter options for Rotor S-4-72					
Capacity per bucket/rotor	26/104	14/56	13/52	12/48	8/32
Adapter bottom shape	flat	round	round	round	conical
Centrifugation radius (mm)	159	159	157	158	163
Max. RCF (g-force)	3,136	3,136	3,096	3,116	3,215
Order no. (set of 2)	5804 794.001	5804 789.008	5804 791.002	5804 792.009	5804 793.005

\*1 Exceeding the maximum tube length may reduce the loading capacity of the rotor.

\*2 Please note that these conical flasks need to be used together with a conical form insert provided by the flask manufacturer.

\*3 Please note that a software upgrade will be necessary for older centrifuges when using Rotor S-4-72.

Please contact your local Eppendorf organization or dealer for further information

## Ordering information

Description	Max. rot. speed (rpm)	Max. rcf ( $\times g$ )	Rotor radius (cm)	Order no.
Rotor S-4-72* <sup>3</sup> , incl. 4 $\times$ 250 mL round buckets	4,200	3,234	16.0	5804 746.007



15 mL conical

17

120

-



50 mL conical

31

120

-



50 mL conical skirted

31

120

-

175-225 conical\*<sup>2</sup>

62

130

-



250 mL flat

62

130

-



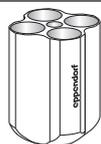
8/32

conical

164

3,234

5804 783.000



4/16

conical

164

3,234

5804 784.006



2/8

flat

153

3,017

5804 785.002



1/4

flat

161

3,175

5804 787.005

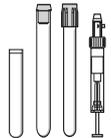
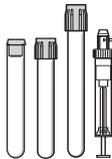
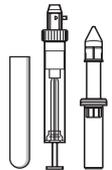
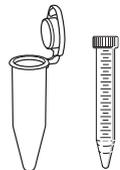
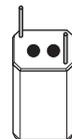
# Rotor A-4-44



## Product features

- > High-speed swing-bucket rotor for applications up to  $4,500 \times g$  (5,000 rpm)
- > Rotor A-4-44 accommodates tubes from 0.2 mL to 100 mL
- > Aerosol-tight caps\*<sup>1</sup> for safe centrifugation of hazardous samples optionally available
- > Rotor life time: max. 34,000 cycles
- > Rotor, buckets, caps and adapters are autoclavable

## Tube

							
<b>Tube capacity (mL)</b>	1.5/2	1.2-5	1.8-7	4-10	7-17	Eppendorf Tube® 5.0 mL and 15 mL conical	
<b>Max. tube diameter (Ø mm)</b>	11	11	13	16	17.5	17	
<b>Max. vessel height (mm)*<sup>2</sup></b>	111	105	108	108	110	121	
<b>Max. vessel height for use with aerosol-tight lid*<sup>1</sup> (mm)</b>	105	102	106	106	106	-	121
<b>Adapter/bucket options for Rotor A-4-44</b>							
<b>Capacity per bucket/rotor</b>	12/48	14/56	9/36	7/28	6/24	4/16	2/8
<b>Adapter bottom shape</b>	flat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat	conical	conical
<b>Centrifugation radius (cm)</b>	14.8	15.0	15.0	15.0	15.0	15.5	15.7
<b>Max. RCF (g-force)</b>	4,100	4,200	4,200	4,200	4,200	4,300	4,400
<b>Order no. (set of 2)</b>	5804 751.000	5804 750.004	5804 752.007	5804 753.003	5804 754.000	5804 755.006	5804 717.007

\*<sup>1</sup> Aerosol-tightness tested by Health Protection Agency, Porton Down, UK.

\*<sup>2</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

\*<sup>3</sup> For high g-forces we recommend using centrifuge tubes of Duran® glass.

\*<sup>4</sup> Reordering of 50 mL form inserts: 5804 728.009.

\*<sup>5</sup> Max. load per bucket: 140 grams.

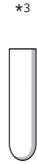
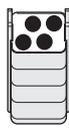
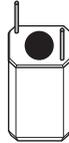
\*<sup>6</sup> Set of 4.

## Ordering information

Description	Max. rotational speed (rpm)	Max. rcf ( $\times g$ )	Rotor radius (cm)	Order no.
<b>Rotor A-4-44</b>				
Rotor A-4-44, incl. 4 $\times$ 100 mL rectangular buckets	5,000	4,400	15.7	5804 709.004
Rotor A-4-44, incl. four 2 $\times$ 50 mL buckets	5,000	4,500	16.1	5804 719.000
<b>Buckets for Rotor A-4-44</b>				
Bucket, 100 mL rectangular, set of 4	5,000	4,400	15.7	5804 741.005
Bucket, 2 $\times$ 50 mL, set of 4	5,000	4,500	16.1	5804 706.005

## Accessories

Aerosol-tight cap* <sup>1</sup> for 100 mL rectangular bucket, set of 2	5804 712.005
Insert for 50 mL conical tubes, set of 8	5804 728.009
Spare rubber mat, for 100 mL bucket adapter, set of 4	5804 782.003
Spare adapter clamp, for 100 mL bucket adapter, set of 2	5804 781.007

								
7-18	18-30	50 mL conical	50 mL conical, skirted	30-50	50-75	80-100		
20	26	31	31	31	35	45		
107	110	122	122	122	119	114		
104	100	–	–	119	–	108	108	100
								
4/16	2/8	2/8	1/4	1/4	5804 737.008	1/4	1/4	1/4
flat with rubber mat	flat with rubber mat	flat w/conical form insert <sup>6</sup>	conical	conical	flat with rubber mat			
15.0	15.0	16.1	15.5	15.7	15.0	15.0	15.0	15.0
4,200	4,200	4,500	4,300	4,400	4,200	4,200	4,200	4,200
5804 756.002	5804 757.009	5804 706.005* <sup>6</sup>	5804 758.005	5804 718.003	5804 759.001	5804 760.000	5804 761.006	

# Rotor A-2-DWP-AT and A-2-DWP



## Aerosol-tight\*<sup>1</sup> deepwell plate Rotor A-2-DWP-AT\*<sup>2</sup>

- > For use in Centrifuge 5810/5810 R only
- > Max. speed: 3,486 × g (4,500 rpm)
- > Rotor can handle up to
  - 2 × 6 MTP
  - 2 × 2 DWP
  - 2 × 1 Filtration plate kits
- > Maximum loading height of 67 mm (89 mm without lid)
- > Rotor comes with aerosol-tight lids\*<sup>1</sup> for safe centrifugation of hazardous samples
- > Rotor and buckets are autoclavable



## Deepwell plate Rotor A-2-DWP

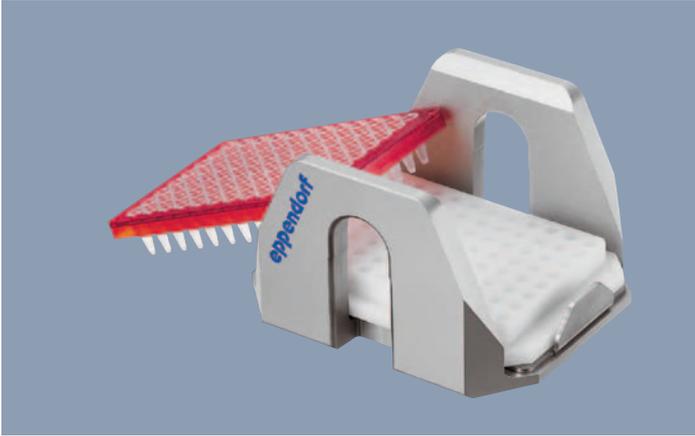
- > For use in Centrifuge 5804/5804 R and 5810/5810 R
- > Max. speed: 2,250 × g (3,700 rpm)
- > Rotor can handle up to
  - 2 × 5 MTP
  - 2 × 4 Cell culture plates
  - 2 × 2 DWP
  - 2 × 1 Filtration plate kits
- > Maximum loading height of 89 mm
- > Rotor and buckets are autoclavable

## Ordering information

Description	Max. rotational speed (rpm)	Max. rcf (× g)	Rotor radius (cm)	Order no.
<b>Aerosol-tight deepwell plate Rotor A-2-DWP-AT*<sup>2</sup></b>				
Rotor A-2-DWP-AT, incl. buckets, aerosol-tight lids and plate carrier	4,500	3,486	15.5	5820 710.004
Aerosol-tight lids* <sup>1</sup> for rotor A-2-DWP-AT, set of 2				5820 713.003
Plate carrier, set of 2				5820 712.007
Spare buckets for A-2-DWP-AT, set of 2				5820 711.000
Spare seals, for aerosol-tight plate rotor lids, set of 2				5820 705.000
<b>Deepwell plate Rotor A-2-DWP</b>				
Rotor A-2-DWP, incl. 2 deepwell plate buckets	3,700	2,250	14.7	5804 740.009
Spare buckets for A-2-DWP, set of 2				5804 743.008
Spare rubber base plate for A-2-DWP buckets, set of 2				5427 702.008

\*<sup>1</sup> Aerosol-tightness is tested and certified by Health Protection Agency, Porton Down, UK.

\*<sup>2</sup> Please note that a software upgrade may be necessary for older centrifuges when using Rotor A-2-DWP-AT. Please contact your local Eppendorf organization or dealer for further information.



### PCR plate adapter (PCR 96)

- > PCR plate adapters are designed to support thin-walled PCR plate wells during centrifugation
- > Available for 96-well and 384-well PCR plates
- > Adapters can be used in all Eppendorf plate rotors



### IsoRack adapter

- > IsoRack adapters to support 0.5 mL and 1.5/2 mL IsoRacks during centrifugation
- > Adapters can be used in Eppendorf plate rotors A-2-DWP, A-4-81-MTP/Flex and S-4-104



### Cell culture flask adapter

- > Adapter to spin down cell cultures directly in a cell culture flask
- > Suitable for 25 cm<sup>2</sup> and selective 75 cm<sup>2</sup> flasks\*
- > Adapters can be used in Eppendorf plate rotors S-4-104, A-4-81-MTP/Flex and A-4-62-MTP



### CombiSlide® adapter

- > Designed for drying slides after hybridization experiments
- > Adapter can hold up to 12 regular glass slides
- > Removable inserts allow centrifugation of glass slides across and parallel to the direction of rotation
- > Adapters can be used in all Eppendorf plate rotors

### Ordering information

Description	Order no.
Adapter PCR 96-well plate, set of 2	5825 711.009
Adapter PCR 384-well plate, set of 2	5825 713.001
Adapter, for cell culture flasks, set of 2	5825 719.000
Adapter, for IsoRack 24 × 0.5 mL tubes, set of 2	5825 708.008
Adapter, for IsoRack 24 × 1.5/2 mL tubes, set of 2	5825 709.004
CombiSlide® adapter, for up to 12 glass slides, set of 2	5825 706.005

\* Please contact your local Eppendorf organization or dealer for further information.

# Rotor F-34-6-38



## Product features

- > High-speed rotor for molecular applications in tubes from 0.2 mL to 85 mL
- > Max. speed 18,500 × *g* (12,000 rpm) in Centrifuge 5810 R or 15,500 × *g* (11,000 rpm) in 5804/5804R/5810
- > Low rotor weight (3.2 kg) for easy handling
- > 34° borehole angle reduces pellet smears along tube wall
- > Anodized aluminum for high chemical resistance
- > Rotor, lid and adapters are autoclavable

Tube					
Common volumes (mL)	1.5/2	13 × 75 mm	13 × 100 mm	4–10	Eppendorf Tube® 5.0 mL
Max. tube diameter (Ø mm)	11	13	13	16	17
Max. tube height for use lid (mm)	110	90	110	112	104
Adapter options for Rotor F-34-6-38					
Capacity per adapter/rotor	4/24	3/18	3/18	2/12	1/6
Adapter bottom shape	round	flat	flat	round	conical
Centrifugation radius (cm)	11.3	10.6	11.4	11.2	10.5
RCF (g-force) at at 12,100 rpm (5810 R) at 11,000 rpm (5804/5804 R/5810)	18,200 15,300	17,070 14,340	18,350 15,420	18,000 15,150	16,824 14,150
Order no. (set of 2)	5804 770.005	5804 738.004	5804 739.000	5804 771.001	5804 777.000

\*1 Max. speed in Centrifuge 5810 R, lower speed applies to Centrifuge 5804/5804R/5810.

\*\*Nominal tube volume as published by the tube manufacturer.

## Ordering information

Description	Max. rot. speed (rpm)	Max. rcf ( $\times g$ )	Rotor radius (cm)	Order no.
<b>Fixed-angle Rotor F-34-6-38</b>				
<b>Rotor F-34-6-38</b> for 6 $\times$ 85 mL tubes incl. rotor lid	11,000/12,000* <sup>1</sup>	15,500/18,500* <sup>1</sup>	11.5	5804 727.002
<b>Replacement rotor lid</b> , for rotor F-34-6-38				5804 727.509

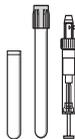
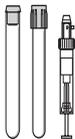
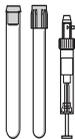
					
15 mL conical	15–18	20–30	50	50 mL conical	85* <sup>2</sup>
17	18	26	29	29	38
123	123	123	123	121	121
					no adapter needed
1/6	1/6	1/6	1/6	1/6	1/6
conical	round	round	round	conical	round
10.7	10.9	11.0	11.2	10.8	11.5
17,200 14,450	17,550 14,750	17,700 14,900	18,000 15,150	17,400 14,600	18,500 15,500
5804 776.003	5804 772.008	5804 773.004	5804 774.000	5804 775.007	–

# Rotor FA-45-6-30



## Product features

- > High-speed rotor for applications in tubes from 5–50 mL
- > Max. speed 20,130 × g (12,100 rpm) in Centrifuge 5810 R or 16,639 × g (11,000 rpm) in 5804/5804R/5810
- > Eppendorf QuickLock rotor lid for fast lid locking
- > Aerosol-tight\*<sup>1</sup> for safe centrifugation of hazardous samples
- > Low rotor weight (3.2 kg) for easy lifting
- > Anodized aluminum for high chemical resistance
- > 45° borehole angle minimizes pellets smear
- > Rotor, lid and adapters are autoclavable

Tube					
Common volumes (mL)	2.6–5 13 × 75 mm	4–8 13 × 100 mm	5.5–10 16 × 75 mm	7.5–12 16 × 100 mm	Eppendorf Tube® 5.0 mL
Max. tube diameter (Ø mm)	13	13	16	16	17
Max. tube height for use with aerosol-tight lid* <sup>1</sup> (mm)	119	119	119	119	121
Adapter options for Rotor FA-45-6-30					
Capacity per adapter/rotor	1/6	1/6	1/6	1/6	1/6
Adapter bottom shape	round	round	round	round	conical
Centrifugation radius (cm)	12.0	12.0	12.0	12.0	12.1
RCF (g-force) at at 12,100 rpm (5810 R) at 11,000 rpm (5804/5804 R/5810)	19,246 16,233	19,246 16,233	19,246 16,233	19,246 16,233	19,806 16,369
Order no. (set of 2)	5820 726.008	5820 725.001	5820 728.000	5820 727.004	5820 730.005

\*<sup>1</sup> Aerosol-tightness tested by Health Protection Agency, Porton Down, UK.

\*<sup>2</sup> Max. speed in Centrifuge 5810 R, lower speed applies to Centrifuge 5804/5804R/5810.

\*<sup>3</sup> Please note that a software upgrade may be necessary for older centrifuges when using Rotor FA-45-6-30. Please contact your local Eppendorf organization or dealer for further information.

## Ordering information

Description	Max. rot. speed (rpm)	Max. rcf ( $\times g$ )	Rotor radius (cm)	Order no.
<b>Aerosol-tight Rotor FA-45-6-30*3</b>				
Rotor FA-45-6-30, incl. aerosol-tight Eppendorf QuickLock® lid	11,000/12,100*2	16,639/20,130*2	12.3	5820 715.006
Rotor lid, for rotor FA-45-6-30				5820 716.002

					
7–17	15 mL conical	15–18	20–30	35	50
17.5	17	18	26	29	31
122	125	125	125	125	121
					no adapter needed
1/6	1/6	1/6	1/6	1/6	1/6
round	conical	round	round	conical	conical
12.0	12.0	12.0	10.5	11.2	12.3
19,246 16,233	19,246 16,223	19,246 16,223	17,187 14,204	18,333 16,161	20,130 16,639
5820 729.007	5820 717.009	5820 720.000	5820 721.006	5820 722.002	–

# Rotor F-35-48-17 and FA-45-20-17



## Rotor F-35-48-17\*1

- > High-capacity fixed-angle rotor for 15 mL conical and glass tubes
- > Max. speed: 5,005 × g (5,500 rpm)
- > Form inserts for 15 mL conical tubes



## Rotor FA-45-20-17\*1

- > 20 places for Eppendorf Tube® 5.0 mL
- > Max. speed: 20,913 × g (13,100 rpm)
- > Eppendorf QuickLock rotor lid for fast lid locking
- > Rotor, lid and adapters are autoclavable
- > Anodized aluminum for high chemical resistance

## Ordering information

Description	Max. rot. speed (rpm)	Max. rcf (× g)	Rotor radius (cm)	Order no.
<b>Fixed-angle Rotor F-35-48-17</b>				
Includes 48 steel sleeves for 15 mL tubes, with 40 conical inserts and 48 rubber mats	5,500	5,005	14.8	5820 772.000
Includes 24 steel sleeves for 15 mL tubes, with 24 conical inserts and 24 rubber mats	5,500	5,005	14.8	5820 771.003
<b>Fixed-angle rotor FA-45-20-17</b>				
Rotor FA-45-20-17, 20 × 5.0 mL, incl. aerosol-tight Eppendorf QuickLock® rotor lid	13,100	20,913	10.9	5820 765.003
Adapter for 1.5/2.0 mL tubes, set of 4	13,100	18,323	9.5	5820 768.002
Adapter for cryogenic vials, set of 4	13,100	18,802	9.8	5820 769.009
Adapter for HPLC tubes, set of 4	13,100	17,651	9.8	5820 770.007

\*1 Please note that a software upgrade will be necessary for older centrifuges when using Rotor F-35-48-17 or FA-45-20-17. Please contact your local Eppendorf organization or dealer for further information.



### Rotors F-45-30-11 and FA-45-30-11

- > 30 places for 1.5/2.0 mL tubes
- > Max. speed: 20,800 × *g* (14,000 rpm)
- > Rotor FA-45-30-11 comes with aerosol-tight\*2 lid for safe centrifugation of hazardous samples
- > Rotors and lids are autoclavable

### Rotor FA-45-48-11\*3

- > 48 places for 1.5/2.0 mL tubes
- > Max. speed: 19,083 × *g* (max. 13,000 rpm)
- > Eppendorf QuickLock rotor lid for fast lid locking
- > Aerosol-tight\*2 for safe centrifugation of hazardous samples
- > Anodized aluminum for high chemical resistance
- > Rotor and lid are autoclavable



### Drum Rotor T-60-11

- > High capacity for 60 × 1.5/2.0 mL tubes
- > Max. speed: 16,400 × *g* (14,000 rpm)
- > Horizontal centrifugation for pellet formation at tube bottom—ideal for low sample quantities

### Rotor F-45-48-PCR

- > Accommodates up to 6 × 5/8-tube PCR strips or 48 × 0.2 mL PCR tubes
- > Safe and easy handling without additional lid



### Ordering information

Description	Max. rot. speed (rpm)	Max. rcf (× <i>g</i> )	Rotor radius (cm)	Order no.
<b>Rotor FA-45-48-11</b> , incl. aerosol-tight Eppendorf QuickLock® rotor lid	13,000	19,803	10.1	5820 760.001
<b>Rotor FA-45-30-11</b> , 30 × 1.5/2.0 mL, with aluminum lid, aerosol-tight*1	14,000	20,800	9.5	5804 726.006
<b>Rotor F-45-30-11</b> , 30 × 1.5/2.0 mL, with aluminum lid	14,000	20,800	9.5	5804 715.004
Adapter for 0.2 mL PCR tubes (for 1.5/2 mL rotors), set of 6	14,000	16,200	7.4	5425 715.005
Adapter for 0.4 mL tubes (for 1.5/2 mL rotors), set of 6	14,000	20,800	9.5	5425 717.008
Adapter for 0.5 mL tubes (for 1.5/2 mL rotors), set of 6	14,000	18,400	8.4	5425 716.001
Adapter for BD Microtainer® (for 1.5/2 mL rotors), set of 6	14,000	20,800	9.5	5425 716.001
<b>Drum rotor T-60-11</b> , with lid, without adapters	14,000	16,400	7.5	5804 730.003
Adapter for 10 × 1.5/2 mL tubes (Ø 11 mm), set of 6	14,000	16,400	7.5	5804 731.000
Adapter for 20 × 0.4 mL tubes (Ø 6 mm), set of 6	14,000	16,400	7.5	5804 732.006
<b>Rotor F-45-48-PCR</b> , for 6 × 8-tube PCR strips	12,000	15,350	9.5	5804 735.005

\*2 Aerosol-tightness is tested and certified by Health Protection Agency, Porton Down, UK.

\*3 Please note that a software upgrade will be necessary for older centrifuges when using Rotor FA-45-48-11. Please contact your local Eppendorf organization or dealer for further information.

# Rolling cabinet



If space is a limited resource in your lab, Eppendorf's rolling cabinet can give you the freedom and flexibility to use your Centrifuge 5804/5804 R or 5810/5810 R wherever you need it. Use the rolling cabinet if there is not enough space on the regular lab bench or to transport and use the centrifuge in other labs.

The included drawer provides extra storage space for your rotors and adapters.

- > Rolling cabinet with closed centrifuge fits under standard 90 cm lab benches
- > With 4 castors (2 lockable) and drawer
- > Dimensions: W × D × H: 70 × 45 × 62 cm



Watch video!

## Ordering information

Description	Order no.
Rolling cabinet, for Centrifuge 5804/5804 R and 5810/5810 R	5821 020.010

# Centrifuge 5804/5804 R and 5810/5810 R

## Technical specifications

Description	Centrifuge 5804	Centrifuge 5804 R	Centrifuge 5810	Centrifuge 5810 R
<b>Max. rcf</b>				
> Fixed-angle rotor	20,913 × g	20,913 × g	20,913 × g	20,913 × g
> Swing-bucket rotor	4,500 × g	4,500 × g	4,500 × g	4,500 × g
> Plate rotor	2,250 × g	2,250 × g	3,486 × g	3,486 × g
<b>Speed</b>	200–14,000 rpm (in 10 rpm increments)			
<b>Max. capacity</b>	4 × 250 mL	4 × 250 mL	4 × 750 mL	4 × 750 mL
<b>Rotor options</b>	12	12	18	18
<b>Accel./Braking ramps</b>	10/10			
<b>Programs</b>	35 user programs			
<b>Timer</b>	1 min. to 99 min, with continuous mode, short spin			
<b>Temperature control range</b>	N/A	−9 °C to 40 °C	N/A	−9 °C to 40 °C
<b>Noise level</b>				
> Rotor S-4-104 (4 × 750 mL)			<70 dB(A)	<56 dB(A)
> Rotor S-4-72 (4 × 250 mL)	<62 dB(A)	<58 dB(A)		
> Rotor FA-45-6-30 (6 × 50 mL)	<55 dB(A)	<54 dB(A)	<56 dB(A)	<55 dB(A)
<b>Power supply</b>	230 V/50–60 Hz	230 V/50–60 Hz	230 V/50–60 Hz	230 V/50–60 Hz
<b>Power requirement</b>	Max. 900 W	Max. 1,650 W	Max. 900 W	Max. 1,650 W
<b>Dimensions (W × D × H)</b>	47 × 55 × 34 cm	64 × 55 × 34 cm	54 × 61 × 35 cm	70 × 61 × 35 cm
<b>Access height</b>	28 cm	28 cm	28 cm	28 cm
<b>Height with open lid</b>	74 cm	74 cm	80 cm	80 cm
<b>Weight without rotor</b>	55 kg	80 kg	68 kg	99 kg

# Centrifuge packages for Cell Culture applications



## Ordering information

### Cell culture centrifuge packages\*

	Max. capacity of conical tubes per rotor	Order no.
Centrifuge 5804, with Rotor A-4-44 incl. adapters for 15 mL/50 mL conical tubes	16 x 15 mL / 4 x 50 mL	5804 000.323
Centrifuge 5804 R, refrigerated, with Rotor A-4-44 incl. adapters for 15 mL/50 mL conical tubes	16 x 15 mL / 4 x 50 mL	5805 000.327
Centrifuge 5804, with Rotor S-4-72 incl. adapters for 15 mL/50 mL conical tubes <b>NEW</b>	32 x 15 mL / 16 x 50 mL	5804 000.528
Centrifuge 5804 R, refrigerated, with Rotor S-4-72 incl. adapters for 15 mL/50 mL conical tubes <b>NEW</b>	32 x 15 mL / 16 x 50 mL	5805 000.629
Centrifuge 5810, with Rotor A-4-62 incl. adapters for 15 mL/50 mL conical tubes	36 x 15 mL / 16 x 50 mL	5810 000.327
Centrifuge 5810 R, refrigerated, with Rotor A-4-62 incl. adapters for 15 mL/50 mL conical tubes	36 x 15 mL / 16 x 50 mL	5811 000.320
Centrifuge 5810, with Rotor A-4-81 incl. adapters for 15 mL/50 mL conical tubes	48 x 15 mL / 20 x 50 mL	5810 000.424
Centrifuge 5810 R, refrigerated, with Rotor A-4-81 incl. adapters for 15 mL/50 mL conical tubes	48 x 15 mL / 20 x 50 mL	5811 000.428
Centrifuge 5810, with Rotor S-4-104 incl. adapters for 15 mL/50 mL conical tubes <b>NEW</b>	56 x 15 mL / 28 x 50 mL	5810 000.521
Centrifuge 5810 R, refrigerated, with Rotor S-4-104 incl. adapters for 15 mL/50 mL conical tubes <b>NEW</b>	56 x 15 mL / 28 x 50 mL	5811 000.622

\*230 V/50-60 Hz

Technical specifications subject to change. Errors and omissions excepted.

## Eppendorf Microcentrifuges



	MiniSpin®	MiniSpin plus	5418	5418 R	5424	5424 R	5427 R	5430	5430 R
<b>Model</b>	Entry-level	Entry-level	Medium capacity for molecular biology		The laboratory standard		High throughput	Microcentrifuge with multipurpose capabilities	
<b>Capacity</b>	12 × 1.5/2 mL	12 × 1.5/2 mL	18 × 1.5/2 mL		24 × 1.5/2 mL		48 × 1.5/2 mL	48 × 1.5/2 mL (6 × 15/50 mL, 2 × MTP)	
<b>Max. speed (RCF)</b>	12,100 × g	14,100 × g	16,873 × g		20,238 × g	21,130 × g	25,000 × g	30,130 × g	
<b>Max. rpm</b>	13,400	14,500	14,000		14,680	15,000	16,220	17,500	
<b>Rotor options</b>	2	2	1		4		9	12	
<b>Temperature settings</b>			0 °C to 40 °C		-10 °C to 40 °C		-10 °C to 40 °C	-11 °C to 40 °C	
<b>Order no.</b>	5452 000.018	5453 000.011	5418 000.017	5401 000.013	5424 000.614	5404 000.618	5409 000.012	5427 000.615	5428 000.619

## Eppendorf Multipurpose Centrifuges



	5702	5702 R	5702 RH	5804	5804 R	5810	5810 R
<b>Model</b>	Low speed centrifuge optimized for medium capacity needs in clinical research and cell culture labs		Active heating and cooling for high temperature accuracy to maximize cell viability (e.g. cell transfection)	Compact high speed centrifuge for medium capacity needs. With swing-bucket rotor and deepwell plate capacity		The workhorse for mid to high-throughput laboratories: Highly versatile, high speed and high plate capacity	
<b>Capacity</b>	4 × 100 mL			4 × 250 mL		4 × 750 mL	
- Conical tubes	20 × 15 mL/4 × 50 mL			40 × 15 mL/16 × 50 mL		56 × 15 mL/28 × 50 mL	
- Blood collection tubes	36 × 13 mm/30 × 16 mm			56 × 13 mm/52 × 16 mm		100 × 13 mm/80 × 16 mm	
- Plates	-			10 × MTP/2 × DWP		16 × MTP/4 × DWP	
<b>Max. speed (RCF)</b>	3,000 × g			20,913 × g		20,913 × g	
<b>Max. rpm</b>	4,400			14,000		14,000	
<b>Rotor options</b>	6			12		18	
<b>Temperature settings</b>		-9 °C to 40 °C	-9 °C to 42 °C		-9 °C to 40 °C	-9 °C to 40 °C	
<b>Order no.</b>	5702 000.019	5703 000.012	5704 000.016	5804 000.013	5805 000.017	5810 000.017	5811 000.010

Technical specifications subject to change. Errors and omissions excepted.

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)

Eppendorf AG 22331 · Hamburg · Germany

E-mail: [eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com)

[www.eppendorf.com](http://www.eppendorf.com)

[www.eppendorf.com/centrifugation](http://www.eppendorf.com/centrifugation)

Microtainer® is a registered trademark of Becton Dickinson, New Jersey, USA. Centriprep® is a registered trademark of Millipore Corporation. Corning® is a registered trademark of Corning, Inc. Duran® is a registered trademark of Schott AG. Eppendorf®, the Eppendorf logo, Eppendorf QuickLock®, Eppendorf Tube®, CombiSlide®, epGreen® and MiniSpin® are registered trademarks and FastTemp™ and epServices™ are trademarks of Eppendorf AG, Germany. All rights reserved, including graphics and images. Copyright © 2012 by Eppendorf AG. Order No. A58X X12 020/GB6/21/0513/FEEL/K&R · Carbon neutrally printed in Germany.