



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 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 × 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 $\frac{1}{4}$ 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:



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



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



6 x 50 mL conical tube rotor with aerosol-tight QuickLock lid for tubes from 5–50 mL. Max. speed 16,640 x g (11,000 rpm).



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 extraordinarily 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).



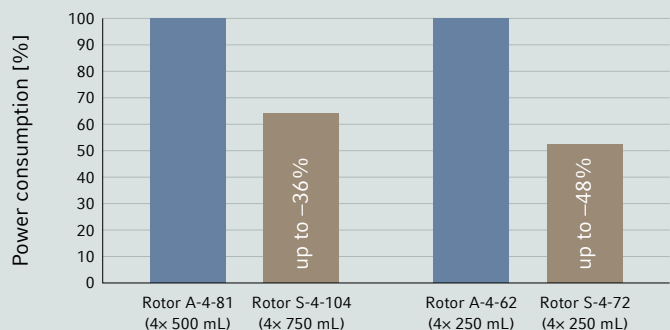
FA-45-48-11

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 including the new rotor generation on our optimized webpage for mobile devices or www.eppendorfna.com/5810R

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 4 x 750 mL and 4 x 500 mL 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 (28 cm/ 11 in)

- > Easy loading/unloading of samples

Placement flexibility

- > 120 V power supply for use on standard outlets
- > 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 mL 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 (28 cm/11 in) 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 nonuse 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. All metal not needed for safety or performance has been routed out. Lightweight 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 lightweight 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 name	4 x 750 mL (S-4-104) aerosol-tight QuickLock caps	4 x 500 mL (A-4-81) aerosol-tight	4 x 250 mL (A-4-62) aerosol-tight	4 x 250 mL (S-4-72)	4 x 100 mL (A-4-44) aerosol-tight
5804/ 5804 R				x	x
5810/ 5810 R	x	x	x	x	x
Description	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
Aerosol-tightness	yes	yes	yes	no	yes
Max. speed (RCF)	3,214	3,220	3,220	3,234	4,500
Max. speed (rpm)	3,900	4,000	4,000	4,200	5,000
Volume range	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
50 mL conical	28	20/28 ¹	16	16	4/8 ¹
15 mL conical	56	48	36	32	16
16 mm blood tube	80	64	48	52	28
13 mm blood tube	92	100	60	56	36
5 mL Eppendorf tube	56	48	36	32	16
1.5/2.0 mL micro tube	200	96	64	104	48
MTP	16	16	12		
DWP	4	4	4		

¹ Maximum capacity with dedicated 50 mL bucket.



epServices™
for premium performance

Your centrifuge in safe hands with Eppendorf Centrifuge and 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.



2-place DWP aerosol-tight	2-place DWP	6 × 100 mL	6 × 50 mL aerosol-tight QuickLock lid	20 × 5 mL aerosol-tight QuickLock lid	48 × 2 mL aerosol-tight QuickLock lid
	x	x	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 high-speed rotor for Eppendorf Safe-Lock 5 mL tubes	Aerosol-tight microcentrifuge tube rotor for safe centrifugation of hazardous samples
yes	no	no	yes	yes	yes
3,486	2,250	18,500/15,500 ²	20,130/16,639 ²	20,913	19,083
4,500	3,700	12,000/11,000 ²	12,100/11,000 ²	13,100	13,000
MTP/DWP	MTP/DWP	0.2–100 mL	5–50 mL	0.2–5.0 mL	0.2–2.0 mL
		6	6		
		6	6		
		12	6		
		18	6		
		6	6	20	
48	48	24		20	48
12	10				
4	4				

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


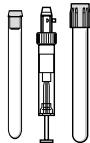
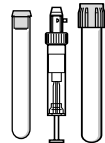

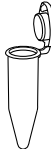

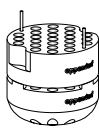



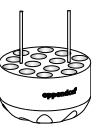
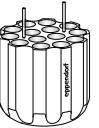
> Further information at www.eppendorfna.com/service

Rotor 4 x 750 mL (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 in tubes and plates available¹
- > Rotor life time: max. 100,000 cycles
- > Buckets, lids and adapters are autoclavable

Tube						
Tube capacity (mL)	1.5/2.0	2.6-8	5.5-12	7-17	Eppendorf Safe-Lock Tube 5.0 mL	15 mL conical 5.0 mL
Max. tube diameter (Ø mm)	11	13	16	17.5	17	17
Max. vessel height (mm) ¹	39	115	119 (130 mm in inner ring)	111 (130 mm in inner ring)	60	125
Max. vessel height for use with aerosol-tight lid (mm) ²	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
Catalog No. (Set of 2)	5825740009	5825738004	5825736001	5825743008	5825739000	5825734009

¹ 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.

² Aerosol-tightness tested by Health Protection Agency, Porton Down, UK.

³ Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.

⁴ Available as a set of 2 bottles (see ordering information).

⁵ Please note that rotor S-4-104 can be used for 120 V models starting with serial numbers: 5810 (≥62.206), 5810 R (≥66.386). If you own a unit with an older serial numbers please contact Eppendorf Customer Support at 800-645-3050 to learn about your options.



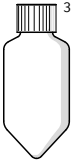
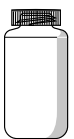
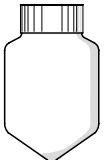


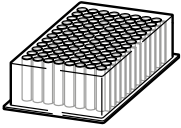
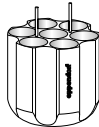
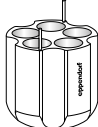

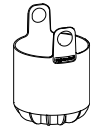

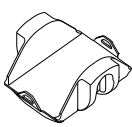

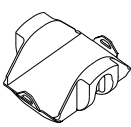

⁶ Software upgrade package for 120 V centrifuges with serial numbers between: 5810 = 12,949 – 62,206, 5810 R = 37,842 – 66,386. Package includes rotor 5820740000, an on-site software upgrade for one 58xx centrifuge by an Eppendorf service technician plus free preventive maintenance inspection. Price includes software, travel and labor.

Ordering information

Description	Max. rot. speed (rpm)	Max. rcf (× g)	Rotor radius (cm)	Catalog No.
Rotor S-4-104 options⁵				
Rotor S-4-104, incl. 4 × 750 mL round buckets	3,900	3,214	189	5820740000
Rotor S-4-104, incl. 4 × DWP buckets with plate carriers	3,900	2,568	151	5820754001
Rotor S-4-104, incl. 4 × MTP buckets	3,900	2,619	154	5820753005
Rotor S-4-104, with software upgrade package ⁶				022639905
Rotor S-4-104, without buckets				5820755008
Buckets for Rotor S-4-104				
Bucket, 750 mL round, set of 4	3,900	3,214	189	5820741007
Bucket, 750 mL round, set of 2	3,900	3,214	189	5820742003
Plate bucket (AT-capable), incl. plate carrier, set of 4	3,900	2,568	151	022638935
Plate bucket (AT-capable), incl. plate carrier, set of 2	3,900	2,568	151	022638930
Plate bucket, set of 4	3,900	2,619	154	022638945
Plate bucket, set of 2	3,900	2,619	154	022638940
Bucket for microfluidic card, set of 2	3,900			5820751002

Accessories

Aerosol-tight lids ¹ , for 750 mL round buckets, set of 2	5820747005
Aerosol-tight lids ¹ , for plate bucket (AT-capable), set of 2	022638937
750 mL wide-mouth bottle, set of 2	5820708000
Spare plate carrier	5820756004

								
50 mL conical	50 mL conical skirted	175–225 mL conical	250 mL flat	500 mL conical Corning®	750 mL Eppendorf bottle ⁴ (Catalog No. 5820708000)	MTP, PCR and cell culture plates	DWP	
31	31	62	98	104	–	–	–	
122	120	145	136	150	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
5825733002	5825732006	5825741005	5825745000	5825744004	022638940	022638930	022638940	022638930



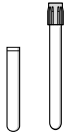
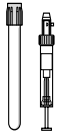
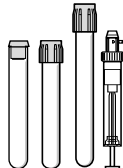
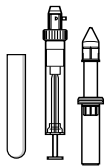
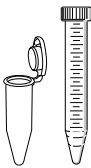
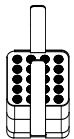
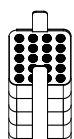

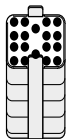
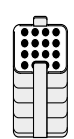
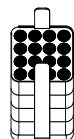
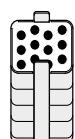
Rotor 4 x 500 mL (A-4-81)



Product features

- > Swing-bucket rotor with max. speed 3,220 × 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 lids¹ 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, lids and adapters are autoclavable

Tube

							
Common volumes (mL)	1.5/2	1.2-5	1.8-7	2.6-7	4-10	7-17	Eppendorf Safe-Lock 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)¹	118	118	118	118	108 (130 mm in 2 inner rows) ¹	108 (130 mm in 2 inner rows) ¹	122
Max. vessel height for use with aerosol-tight lid (mm)²	108	108	108	108	118 (130 mm in 4 center pos.)	118 (130 mm in 4 center pos.)	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	flat with rubber mat	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
RCF (g-force) at max. rpm	2,950	3,000	3,000	3,000	3,000	3,000	3,100
Catalog No. (set of 2)	022638704	022638707	022638700	022638718	022638721	022638726	022638742

¹ 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.

² Aerosol-tightness tested by Health Protection Agency, Porton Down, UK.



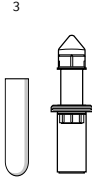

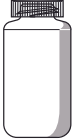





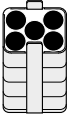


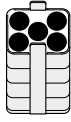
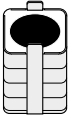

³ Only Centriprep® tube without locking lid.

Ordering information

Description	Max. rot. speed (rpm)	Max. rcf (x g)	Rotor radius (cm)	Catalog No.
Rotor A-4-81 options⁹				
Rotor A-4-81, incl. 4 × 500 mL rectangular buckets	4,000	3,220	18.0	022638602
Rotor A-4-81, incl. 7 × 50 mL conical buckets	4,000	3,220	18.0	022638607
Rotor A-4-81, incl. 4 × MTP/Flex plate buckets	4,000	2,900	16.3	022638807
Rotor A-4-81 without buckets	4,000	–	–	022638611
Buckets for Rotor A-4-81				
Bucket, 500 mL rectangular, set of 4	4,000	3,220	18.0	022638629
Bucket, 7 × 50 mL conical, set of 4	4,000	3,220	18.0	022638614
Bucket, MTP/Flex plates, set of 2	4,000	2,900	16.3	022638866
Bucket, MTP/Flex plates, set of 4	4,000	2,900	16.3	022638840

Accessories

Aerosol-tight lid ² for 500 mL rectangular bucket, set of 2	022638661
Bottle 400 mL wide-mouth, includes stabilizing sleeves, set of 2	022638653
Bottle 500 mL wide-mouth, set of 2	022638657
Spare rubber mat, for 500 mL bucket adapter, set of 4	022665201
Spare adapter clamp, for 500 mL bucket adapter, set of 2	022638696
Spare rubber base mat, for MTP/Flex bucket, set of 2	022638106

									
50 mL conical	50 mL conical, skirted	30–50 mL and 50 mL Centriprep [®]	175–225 conical	180–250	400 mL bottle ⁵ (022638653)	500 mL bottle ⁵ (022638657)	MTP and PCR plates	Cell culture plates	DWP
31	31	29	61	81	83	–	–	–	
122	122	122	137	135	135	60	60	60	
116	–	116	130 ⁶	–	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 with rubber mat	1/4 flat with rubber mat	–	flat with rubber mat		
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			
022638769	022638614 ⁸	022638904	022638921	022638785	–	022638866	022638840		

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

⁵ Available as a set of 2 flasks (see ordering information).

⁶ Aerosol-tight caps can be used for BD Falcon[®] 225 mL and Nunc[®] 200 mL conical tubes if rubber mat, base plate and clamp are removed from the adapter. Remove rubber mat for aerosol-tight centrifugation of Nalgen[®] 175 mL conical tube.

⁷ Insert 022654373 recommended for use with 50 mL conical-skirted tubes. Set of 8.

⁸ Set of 4.


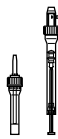
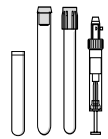
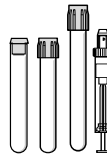
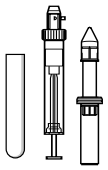



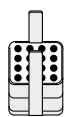
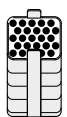
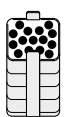
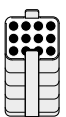
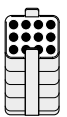
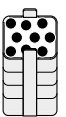
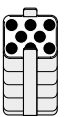
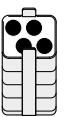
⁹ Please note that rotor A-4-81 can be used for 120 V models starting with serial numbers: 5810 (≥2186), 5810 R (≥6203). If you own a unit with an older serial numbers please contact Eppendorf Customer Support at 800-645-3050 to learn about your options.

Rotor 4 x 250 mL (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 up to 53 mm height
- > Aerosol-tight lids¹ for safe centrifugation of hazardous samples optionally available
- > Rotor life time: max. 40,000 cycles
- > Rotor, buckets, lids and adapters are autoclavable

Tube								
Common volumes (mL)	1.5/2	1.2–5	1.8–7	4–10	7–17	Eppendorf Safe-Lock 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) ¹	122	123	121	121 (130 mm in 2 center rows) ¹	118 (130 mm in 2 center rows) ¹	127	126	119
Max. vessel height for use with aerosol-tight lid ² (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	flat with rubber mat	flat with rubber mat	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
RCF (g-force) at max. rpm	3,000	3,050	3,050	3,050	3,050	3,150	3,050	3,050
Catalog No. (set of 2)	022638220	022638203	022638246	022638262	022638301	022638289	022638327	022638360

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







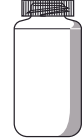
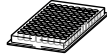


Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.


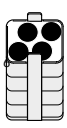
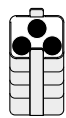

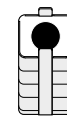
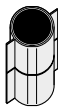
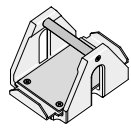
² Aerosol-tightness tested by the Centre for Health Protection Agency, Porton Down, UK.

³ For high g-forces we recommend using centrifuge tubes of Duran® glass.

Ordering information

Description	Max. rot. speed (rpm)	Max. rcf (x g)	Rotor radius (cm)	Catalog No.
Rotor A-4-62 options				
Rotor A-4-62, incl. 4 x 250 mL rectangular buckets	4,000	3,220	18.0	022638009
Rotor A-4-62, incl. 4 x MTP plate buckets	4,000	2,750	15.4	022638041
Buckets for Rotor A-4-62				
Bucket, 250 mL rectangular, set of 4	4,000	3,220	18.0	022638084
Bucket, MTP plates, set of 4	4,000	2,750	15.4	022638068
Accessories				
Aerosol-tight lid ¹ for 250 mL rectangular bucket, set of 2				022638033
Rotor stand for 5804/5804 R and 5810/5810 R rotors				022639021
Spare rubber mat, for 250 mL bucket adapter, set of 4				022638483
Spare adapter clamp, for 250 mL bucket adapter, set of 2				022638467
Spare rubber base mat, for MTP bucket, set of 2				022638106

									
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	53
116	—	—	116	118	125	127 ⁵	—	—	—

								
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	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		
022638386	022638351	022638343	022638408	022638424	022638441	022638068 ⁸		

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

⁵ Aerosol-tight caps can be used for BD Falcon® 225 mL and Nunc 200 mL conical tubes if rubber mat is removed from the adapter. Aerosol-tight centrifugation is not possible with Nalgene 175 mL conical tube due to the size of the tube lid.

⁶ Insert 022654373 recommended for use with 50 mL conical-skirted tubes. Set of 8.

⁷ Form inserts for 50 mL conical tubes included in delivery. Reorder Catalog No. 022637479. Set of 8.

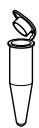
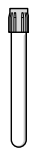
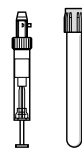
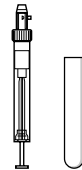
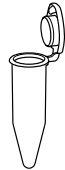
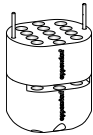
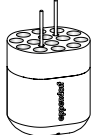

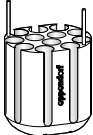
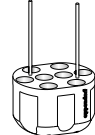
⁸ Set of 4.

Rotor 4 x 250 mL (S-4-72)



Product features

- > Medium capacity swing-bucket rotor with speed up to 3,234 × 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	5.5–12	7–17	Eppendorf Safe-Lock 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 lid¹ (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
Catalog No. (set of 2)	5804794001	5804789008	5804791002	5804792009	5804793005

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 rotor S-4-72 can be used for 120 V models starting with serial numbers: 5804 (≈62.247), 5804 R (≈63.063), 5810 (≈62.206), 5810 R (≈66.386). If you own a unit with an older serial numbers please contact Eppendorf Customer Support at 800-645-3050 to learn about your options.

⁴ Software upgrade package for 120 V centrifuges with serial numbers between: 5804 = 13,031 – 62,247, 5804R = 33,350 – 63,063, 5810 = 12,949 – 62,206, 5810R = 37,842 – 66,386. Package includes rotor 5804746007, an on-site software upgrade for one 58xx centrifuge by an Eppendorf service technician plus free preventive maintenance inspection. Price includes software, travel and labor.

Ordering information

Description	Max. rot. speed (rpm)	Max. rcf (x g)	Rotor radius (cm)	Catalog No.
Rotor S-4-72³ , incl. 4 x 250 mL round buckets	4,200	3,234	160	5804746007
Rotor S-4-72 , with software upgrade package ⁴				022639907



15 mL conical

17

120

-



50 mL conical

31

120

-

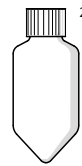


50 mL conical skirted

31

120

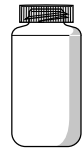
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175-225 conical²

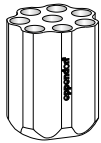
62

130

-



250 mL flat



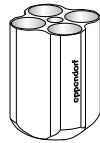
8/32

conical

164

3,234

5804783000



4/16

conical

164

3,234

5804784006



2/8

flat

153

3,017

5804785002



1/4

flat

161

3,175

5804787005


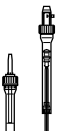
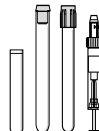
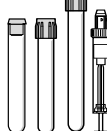
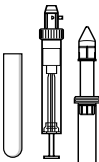
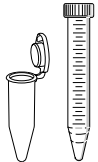
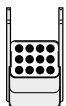
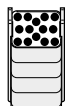



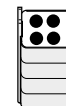
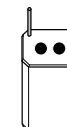
Rotor 4 x 100 mL (A-4-44)



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 lids¹ for safe centrifugation of hazardous samples optionally available
- > Rotor life time: max. 34,000 cycles
- > Rotor, buckets, lids and adapters are autoclavable

Tube

							
Common volumes (mL)	1.5/2	1.2–5	1.8–7	4–10	7–17	Eppendorf Safe-Lock Tube 5.0 mL and 15 mL conical	
Max. tube diameter (Ø mm)	11	11	13	16	17.5	17	
Max. vessel height (mm)¹	111	105	108	108	110	121	
Max. vessel height for use with aerosol-tight lid (mm)²	105	102	106	106	106	–	121
Adapter/bucket options for Rotor A-4-44							
Capacity per bucket/rotor	12/48	14/56	9/36	7/28	6/24	4/16	2/8
Adapter bottom shape	flat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat	conical	conical
Centrifugation radius (cm)	14.8	15.0	15.0	15.0	15.0	15.5	15.7
RCF (g-force) at max rpm	4,100	4,200	4,200	4,200	4,200	4,300	4,400
Catalog No. (set of 2)	022637525	022637509	022637541	022637568	022637584	022637606	022637614

¹ 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.

² Aerosol-tightness tested by Health Protection Agency, Porton Down, UK.

³ For high g-forces we recommend using centrifuge tubes of Duran glass.

⁴ Max. load per bucket: 140 grams.


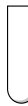


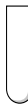




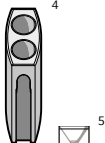

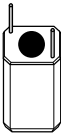



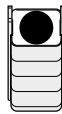
⁵ Reordering of 50 mL form inserts: 022637479. Set of 8.

⁶ Form inserts for 50 mL conical tubes included in delivery. Reorder Catalog No. 022637479. Set of 8.

⁷ Set of 4.

Ordering information

Description	Max. rotational speed (rpm)	Max. rcf (× g)	Rotor radius (cm)	Catalog No.
Rotor A-4-44 options				
Rotor A-4-44, incl. 4 × 100 mL rectangular buckets	5,000	4,400	15.7	022637401
Rotor A-4-44, incl. four 2 × 50 mL buckets	5,000	4,500	16.1	022637461
Buckets for Rotor A-4-44				
Bucket, 100 mL rectangular, set of 4	5,000	4,400	15.7	022637436
Bucket, 2 × 50 mL, set of 4	5,000	4,500	16.1	022637452
Accessories				
Aerosol-tight lid ² for 100 mL rectangular bucket, set of 2				022637428
Insert for 50 mL conical tubes, set of 8				022637479
Spare rubber mat, for 100 mL bucket adapter, set of 4				022662503
Spare adapter clamp, for 100 mL bucket adapter, set of 2				022662511

								
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	022654373 ⁶	1/4	1/4	1/4
flat with rubber mat	flat with rubber mat	flat w/conical form insert	conical	conical		flat with rubber mat	flat with rubber mat	flat with rubber mat
15.0	15.0	16.1	15.5	15.7		15.0	15.0	15.0
4,200	4,200	4,500	4,300	4,400		4,200	4,200	4,200
022637622	022637649	022637452 ⁷	022637665	022637673	022637681	022637703	022637720	022637720

Rotors for plates (A-2-DWP-AT and A-2-DWP)



Aerosol-tight¹ deepwell plate Rotor A-2-DWP-AT²

- > 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 lids¹ for safe centrifugation of hazardous samples
- > Rotor and buckets are autoclavable

Deepwell plate Rotor A-2-DWP³

- > 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

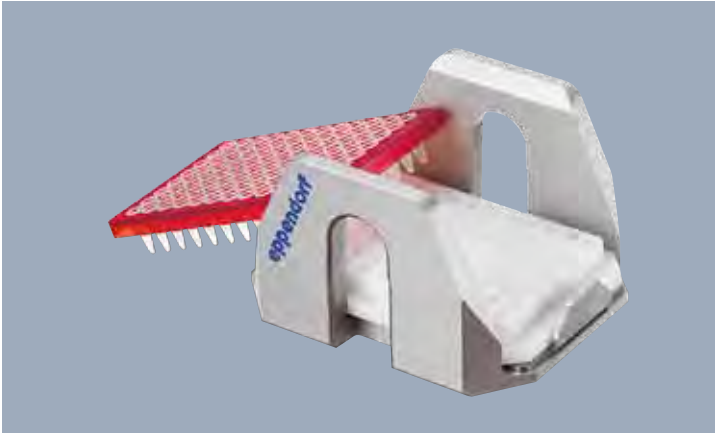
Description	Max. rotational speed (rpm)	Max. rcf (× g)	Rotor radius (cm)	Catalog No.
Aerosol-tight deepwell plate Rotor A-2-DWP-AT²				
Rotor A-2-DWP-AT, incl. buckets, aerosol-tight lids and plate carrier	4,500	3,486	15.5	5820710004
Rotor A-2-DWP-AT, with software upgrade package ⁴				022639901
Aerosol-tight lids ¹ for rotor A-2-DWP-AT, set of 2				5820713003
Plate carrier, set of 2				5820712007
Spare buckets for A-2-DWP-AT, set of 2				5820711000
Spare seals, for aerosol-tight plate rotor lids, set of 2				5820705000
Deepwell plate Rotor A-2-DWP³				
Rotor A-2-DWP, incl. 2 deepwell plate buckets	3,700	2,250	14.7	022638564
Spare buckets for A-2-DWP, set of 2				022638556
Spare rubber base plate for A-2-DWP buckets, set of 2				022638599

¹ Aerosol-tightness is tested and certified by Health Protection Agency, Porton Down, UK.

² Please note that rotor A-2-DWP-AT can be used for 120 V models with serial numbers above 60,000. If you own a unit with an older serial numbers please contact Eppendorf Customer Support at 800-645-3050 to learn about your options.

³ Please note that rotor A-2-DWP can be used for all 120 V models with serial numbers above 60,000. Rotor A-2-DWP for serial numbers: 5804 (≥1410), 5804R (≥1820), 5810 (≥990), 5810R (≥2949). If you own a unit with an older serial numbers please contact Eppendorf Customer Support at 800-645-3050 to learn about your options.

⁴ Software upgrade package for 120 V centrifuges with serial numbers between 10,000 (5804/5804 R/5810) / 12,000 (5810 R) and 60,000. Package includes rotor 5802710004, an on-site software upgrade for one 58xx centrifuge by an Eppendorf service technician plus free preventive maintenance inspection. Price includes software, travel and labor.



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



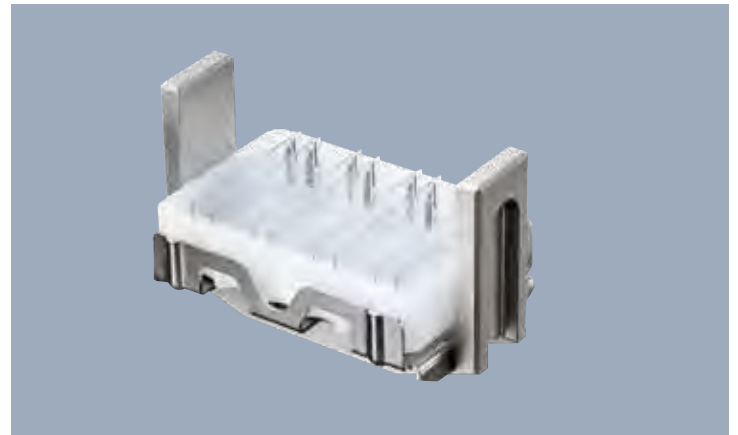
IsoRack adapter

- > 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-MTP



Cell culture flask adapter

- > Adapter to spin down cell cultures directly in a cell culture flask
- > Suitable for 25 cm² and selective 75 cm² flasks¹
- > Adapters can be used in Eppendorf plate rotors S-4-104-MTP, 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	Catalog No.
Adapter PCR 96-well plate, set of 2	022638947
Adapter PCR 384-well plate, set of 2	022638955
Adapter, for plates with SBS footprint, set of 2	5825718003
Adapter, for cell culture flasks, set of 2	5825719000
Adapter, for IsoRack 24 × 0.5 mL tubes, set of 2	022638980
Adapter, for IsoRack 24 × 1.5/2 mL tubes, set of 2	022638998
CombiSlide adapter, for up to 12 glass slides, set of 2	022638963





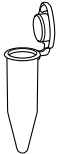





¹ Suitable for the following 75 cm² flasks: Nunc (e.g., Catalog Nos. 156472, 156499), Greiner (e.g., Catalog Nos. 658170, 658175, 658190, 658195), Sarstedt (Catalog Nos. 83.1811 and 83.1811.002). Please perform a manual swing-out test before centrifugation.

Rotor 6 x 100 mL (F-34-6-38)



Product features

- > High-speed rotor for molecular applications in tubes from 0.2 mL to 100 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
- > Low profile design with domed rotor lid provides unmatched tube accessibility and trouble-free tube removal
- > 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 Safe-Lock 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
Catalog No. (set of 2)	022637215	022637279	022637282	022637223	5804777000

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

²Nominal tube volume as published by the tube manufacturer.

Ordering information

Description	Max. rot. speed (rpm)	Max. rcf (x g)	Rotor radius (cm)	Catalog No.
Rotor F-34-6-38 for 6 × 100 mL tubes incl. rotor lid	12,000/11,000 ¹	18,500/ 15,500 ¹	11.5	022637207
Replacement rotor lid , for rotor F-34-6-38				022662961



15 mL conical

15-18

20-30

50

50 mL conical

85–100¹

17

18

26

29

31

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
14,45017,550
14,75017,700
14,90018,000
15,15017,400
14,60018,500
15,500

022637274

022637231

022637240

022637258

022637266

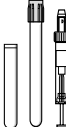
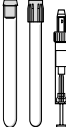








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Rotor 6 x 50 mL conical (FA-45-6-30)



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 5804/5804 R/5810
- > Eppendorf QuickLock rotor lid for fast lid locking
- > Aerosol-tight¹ 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	7–17
Max. tube diameter (Ø mm)	13	13	16	16	17.5
Max. tube height for use with aerosol-tight lid ¹ (mm)	119	119	119	119	122
Adapter options for Rotor FA-45-6-30 and buckets 7 × 50 mL (A-4-81) and 2 × 50 mL (A-4-44)					
Capacity per adapter/rotor	1/6	1/6	1/6	1/6	1/6
Adapter bottom shape	round	round	round	round	round
Centrifugation radius (cm)	12.0	12.0	12.0	12.0	12.0
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	19,246 16,233
Catalog No. (set of 2)	5820726008	5820725001	5820728000	5820727004	5820729007

¹ Aerosol-tightness tested by Health Protection Agency, Porton Down, UK.

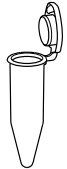





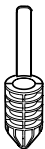




² Max. speed in Centrifuge 5810 R, lower speed applies to Centrifuge 5804/5804R/5810.

³ Please note that rotor FA-45-6-30 can be used for 120 V models with serial numbers above 60,000. If you own a unit with an older serial numbers please contact Eppendorf Customer Support at 800-645-3050 to learn about your options.

⁴ Software upgrade package for 120 V centrifuges with serial numbers between 10,000 (5804/5804 R/5810) / 12,000 (5810 R) and 60,000. Package includes rotor 5820715006, an on-site software upgrade for one 58xx centrifuge by an Eppendorf service technician plus free preventive maintenance inspection. Price includes software, travel and labor.

Ordering information

Description	Max. rot. speed (rpm)	Max. rcf (x g)	Rotor radius (cm)	Catalog No.
Rotor FA-45-6-30 , incl. aerosol-tight Eppendorf QuickLock lid	12,100/11,000 ²	20,130/16,639 ²	12.3	5820715006
Rotor FA-45-6-30 , with software upgrade package ⁴				022639903
Rotor lid , for rotor FA-45-6-30				5820716002

					
Eppendorf Safe-Lock Tube 5.0 mL	15 mL conical	15–18	20–30	35	50
17	17	18	26	29	31
121	125	125	125	125	121
					no adapter needed
1/6 conical	1/6 conical	1/6 round	1/6 round	1/6 conical	1/6 conical
12.1	12.0	12.0	10.5	11.2	12.3
19,806 16,369	19,246 16,223	19,246 16,223	17,187 14,204	18,333 16,161	20,130 16,639
5820730005	5820717009	5820720000	5820721006	5820722002	–

Rotors for 15 mL and 5 mL Eppendorf tubes



Rotor F-35-48-17¹

- > High-capacity fixed-angle rotor for 15 mL conical and glass tubes
- > Accommodates 16 x 125 mm tubes
- > Max. speed: 5,050 x g (5,500 rpm)



Rotor FA-45-20-17¹

- > 20 places for Eppendorf Safe-Lock Tube 5.0 mL
- > Max. speed: 20,913 x 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 (x g)	Rotor radius (cm)	Catalog No.
Fixed-angle Rotor F-35-48-17¹				
Includes 48 steel sleeves for 15 mL tubes, with 40 conical inserts and 40 rubber mats	5,005	5,500	14.8	5820772000
Includes 24 steel sleeves for 15 mL tubes, with 24 conical inserts and 24 rubber mats	5,005	5,500	14.8	5820771003
Rotor F-35-48-17, with software upgrade package ²				022639909
Fixed-angle rotor FA-45-20-17¹				
Rotor FA-45-20-17, 20 x 5.0 mL, incl. aerosol-tight Eppendorf QuickLock rotor lid	13,100	20,913	10.9	5820765003
Rotor FA-45-20-17, with software upgrade package ²				022639913
Adapter for 1.5/2.0 mL tubes, set of 4	13,100	18,323	9.5	5820768002
Adapter for cryogenic vials, set of 4	13,100	18,802	9.8	5820769009
Adapter for HPLC tubes, set of 4	13,100	17,651	9.8	5820770007

¹ Please note that rotors F-35-48-17 and FA-45-20-17 can be used for 120 V models starting with serial numbers: 5804 (≥62,247), 5804 R (≥63,063), 5810 (≥62,206), 5810 R (≥66,386). If you own a unit with an older serial numbers a software upgrade will be necessary. Please contact Eppendorf Customer Support at 800-645-3050 to learn about your options.

² Software upgrade package for 120 V centrifuges with serial numbers between: 5804 = 13,031 – 62,247, 5804 R = 33,350 – 63,063, 5810 = 12,949 – 62,206, 5810 R = 37,842 – 66,386. Package includes either rotor 5820772000 or 5820765003, an on-site software upgrade for one 58xx centrifuge by an Eppendorf service technician plus free preventive maintenance inspection. Price includes software, travel and labor.

Rotors for microtubes



48 x 1.5/2 mL Rotor (FA-45-48-11)¹

- > Max. speed: 19,083 × g (max. 13,000 rpm)
- > QuickLock rotor lid for fast and reliable lid locking
- > Aerosol-tight² for safe centrifugation of hazardous samples
- > Rotor and lid are autoclavable (121 °C, 20 min)



60 x 1.5/2 mL Drum Rotor (T-60-11)

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



30 x 1.5/2 mL Rotors (FA-45-30-11 and F-45-30-11)

- > Max. speed: 20,800 × g (14,000 rpm)
- > Rotor FA-45-30-11 comes with aerosol-tight² lid for safe centrifugation of hazardous samples



6 x PCR strip 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. speed (rpm)	Max. rcf (× g)	Rotor radius (cm)	Catalog No.
Rotor 48 x 1.5/2 mL with aerosol-tight ² QuickLock lid (FA-45-48-11) ¹	13,000	19,803	10.1	5820760001
Rotor 48 x 1.5/2 mL (FA-45-48-11) with software upgrade package ³	13,000	19,803	10.1	022639911
Rotor 30 x 1.5/2 mL with aerosol-tight ² lid (FA-45-30-11)	14,000	20,800	9.5	022637100
Rotor 30 x 1.5/2 mL with lid (F-45-30-11)	14,000	20,800	9.5	022637002
Adapter for 0.2 mL PCR tubes (for 1.5/2 mL rotors), set of 6	14,000	16,200	7.4	022636260
Adapter for 0.4 mL tubes (for 1.5/2 mL rotors), set of 6	14,000	20,800	9.5	022636243
Adapter for 0.5 mL tubes (for 1.5/2 mL rotors), set of 6	14,000	18,400	8.4	022636227
Adapter for 0.5 mL tubes and BD Microtainers® (for 1.5/2 mL rotors), set of 6	14,000	20,800	9.5	022636227
Rotor 60 x 1.5/2 mL drum with lid, without adapters (T-60-11)	14,000	16,400	7.5	022638505
Adapter for 10 × 1.5/2 mL tubes (Ø 11 mm), set of 6	14,000	16,400	7.5	022638521
Adapter for 20 × 0.4 mL tubes (Ø 6 mm), set of 6	14,000	16,400	7.5	022638548
Rotor 6 x PCR strip (F-45-48-PCR)	12,000	15,350	9.5	022638581

¹ Please note that rotor FA-45-48-11 can be used for 120 V models starting with serial numbers: 5804 (≥62,247), 5804 R (≥63,063), 5810 (≥62,206), 5810 R (≥66,386). If you own a unit with an older serial numbers a software upgrade will be necessary. Please contact Eppendorf Customer Support at 800-645-3050 to learn about your options.

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

³ Software upgrade package for 120 V centrifuges with serial numbers between: 5804 = 13,031 – 62,247, 5804 R = 33,350 – 63,063, 5810 = 12,949 – 62,206, 5810 R = 37,842 – 66,386. Package includes either rotor 5820772000 or 5820765003, an on-site software upgrade for one 58xx centrifuge by an Eppendorf service technician plus free preventive maintenance inspection. Price includes software, travel and labor.

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 x D x H: 27.5 x 17.7 x 24 in / 70 x 45 x 62 cm



Watch video!

Ordering information

Description

Rolling cabinet, for Centrifuge 5804/5804 R and 5810/5810 R

Catalog No.

5821020010

Centrifuge 5804/5804 R and 5810/5810 R

Technical specifications

Description	Centrifuge 5804	Centrifuge 5804 R	Centrifuge 5810	Centrifuge 5810 R
Max. rcf: Fixed-angle rotor	20,913 x g	20,913 x g	20,913 x g	20,913 x g
Max. rcf: Swing-bucket rotor	4,500 x g	4,500 x g	4,500 x g	4,500 x g
Max. rcf: Plate rotor	2,250 x g	2,250 x g	3,486 x g	3,486 x g
Speed	200–14,000 rpm (in 10 rpm increments)			
Max. capacity	4 x 250 mL	4 x 250 mL	4 x 750 mL	4 x 750 mL
Rotor options	12	12	18	18
Accel./Braking ramps	10/10			
Programs	35 user programs			
Timer	1 min. to 99 min, with continuous mode, short spin			
Temperature control range	N/A	-9 °C to 40 °C	N/A	-9 °C to 40 °C
Noise level: Rotor S-4-104			<70 dB(A)	<56 dB(A)
Noise level: Rotor S-4-72	<62 dB(A)	<58 dB(A)		
Noise level: Rotor FA-45-6-30	<55 dB(A)	<54 dB(A)	<56 dB(A)	<55 dB(A)
Power supply	120 V, 50/60 Hz	120 V, 50/60 Hz	120 V, 50/60 Hz	120 V, 50/60 Hz
Power requirement	Max. 950 W	Max. 1,300 W Max. 1,650 W (20 A)	Max. 950 W	Max. 1,300 W Max. 1,650 W (20 A)
Dimensions (W x D x H) ¹	18 x 20 x 13 in 47 x 50 x 34 cm	25 x 20 x 13 in 64 x 50 x 34 cm	21 x 21 x 13 in 54 x 54 x 35 cm	28 x 21 x 13 in 70 x 54 x 35 cm
Access height	11 in/28 cm	11 in/28 cm	11 in/28 cm	11 in/28 cm
Height with open lid	29 in/74 cm	29 in/74 cm	31 in/80 cm	31 in/80 cm
Weight without rotor	121 lb/55 kg	176 lb/80 kg	150 lb/68 kg	218 lb/99 kg

¹ The exposed control panel adds 5.4 cm (5804/R) or 7.2 cm (5810/R) to the depth.



5804

5804 R

Ordering information

Model	Standard	Standard	20 A
Description	Catalog No.	Catalog No.	Catalog No.
Application-driven packages, (120 V; 50/60 Hz)			
Cell culture package (4 x 250 mL)	022628149	022628153	–
Cell culture package (4 x 100 mL)	022628135	022628146	–
High-Speed 15/50 mL package (6 x 50 mL conical)	022628211	–	–
Clinical package (4 x 250 mL)	022628048	022628051	–
Clinical package (4 x 100 mL)	022628034	022628045	–
Deepwell plate package (A-2-DWP)	022628203	022628225	–

Centrifuge options

with 4 x 250 mL swing-bucket rotor (S-4-72), 120 V	5804000579	5805000572	–
with 4 x 100 mL swing-bucket rotor (A-4-44), 120 V	022629948	022629964	022629981
without rotor, 120 V	022622501	022623508	022625080
without rotor, 230 V	022622552	022623559	–



5810

5810 R

Ordering information

Model	Standard	Standard	20 A
Description	Catalog No.	Catalog No.	Catalog No.
Application-driven packages, (120 V; 50/60 Hz)			
Cell culture package (4 x 750 mL)	022628185	022628187	022628188
Cell culture package (4 x 500 mL)	022628179	022628180	022628181
Cell culture package (4 x 250 mL)	022628157	022628168	022628169
High-Speed 15/50mL package (6 x 50 mL conical)	–	022628257	022628258
Clinical package (4 x 750 mL)	022628090	022628092	–
Clinical package (4 x 500 mL)	022628078	022628089	–
Clinical package (4 x 250 mL)	022628056	022628067	–

Centrifuge options

with 4 x 750 mL swing-bucket rotor (S-4-104), 120 V	022627110	022627122	022627133
with 4 x 500 mL swing-bucket rotor (A-4-81), 120 V	022627066	022627082	022627104
with 4 x 250 mL swing-bucket rotor (A-4-62), 120 V	022627007	022627023	022627040
without rotor, 120 V	022625004	022625501	022625101
without rotor, 230 V	022625055	022625551	–

Cell Culture package includes a centrifuge and swing-bucket rotor plus the following adapter (sets of 2) for 15 mL and 50 mL conical tubes: 5804/R with 4 x 100 mL rotor = 2 x 022637606, 2 x 022637665; 5804/R with 4 x 250 mL rotor = 2 x 5804783000, 2 x 5804784006; 5810/R with 4 x 250 mL rotor = 2 x 022638289, 2 x 022638351; 5810/R with 4 x 500 mL rotor = 2 x 022638742, 2 x 022638769; 5810/R with 4 x 750 mL rotor = 2 x 5825734009, 2 x 5825733002.

High-Speed 15/50 mL package includes the listed centrifuge and 6 x 50 mL conical fixed-angle rotor FA-45-6-30 plus 7 adapters for 15 mL conical tubes (1 x 5820718005)

Clinical package includes a centrifuge and swing-bucket rotor plus following adapter (sets of 2) for 13 mm and 16 mm tubes: 5804/R with 4 x 100 mL = 2 x 022637541, 2 x 022637568; 5804/R with 4 x 250 mL = 2 x 5804789008, 2 x 5804791002; 5810/R with 4 x 250 mL rotor = 2 x 022638246, 2 x 022638262; 5810/R with 4 x 500 mL rotor = 2 x 022638718, 2 x 022638721; 5810/R with 4 x 750 mL rotor = 2 x 5825738004, 2 x 5825736001.

Plate package includes the listed centrifuge and deepwell plate rotor A-2-DWP. Maximum loading height of A-2-DWP is 89 mm per bucket.

Eppendorf Microcentrifuges



	MiniSpin®	MiniSpin plus	5418	5418 R	5424	5424 R	5427 R	5430	5430 R
Model	Entry-level	Low capacity for DNA/RNA work	Medium capacity for molecular biology		The laboratory standard		High throughput	Microcentrifuge with multipurpose capabilities	
Capacity	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)	
Max. speed (RCF)	12,100 × g	14,100 × g	16,873 × g		21,130 × g		25,000 × g	30,130 × g	
Max. rpm	13,400	14,500	14,000		15,000		16,220	17,500	
Rotor options	2	2	1		4		9	12	
Refrigerated			0 °C to 40 °C		-10 °C to 40 °C		-10 °C to 40 °C	-11 °C to 40 °C	
Catalog no.*	022620100	022620207	022620304	5401000137	022620401	5404000537	5409000012	022620511	022620623

Eppendorf Multipurpose Centrifuges



	5702	5702 R	5702 RH	5804	5804 R	5810	5810 R
Model		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	
Capacity		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	
Max. speed (RCF)		3,000 × g		20,913 × g		20,913 × g	
Max. rpm		4,400		14,000		14,000	
Rotor options		6		12		18	
Refrigerated		-9 °C to 40 °C	-9 °C to 42 °C	-9 °C to 40 °C		-9 °C to 40 °C	
Catalog No.*	022629883	022629905	022629921	5804000579	5805000572	022627110	022627122

* Centrifuge with maximum capacity rotor (120 V). Check with your local Eppendorf sales rep for different packaging options or special pricing.

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