



The backbone of your discovery

Exceptional versatility with the Centrifuge 5811 R



Exceptional versatility with the Centrifuge 5811 R

In many labs, centrifugation is not a single fixed routine. You might spin tubes in the morning, work with plates in the afternoon, and prepare bottles for the next experiment – often across shared benches, changing projects, and evolving protocols. All of this converges at one centrifugation hub that needs to perform reliably, day after day.

Our Centrifuge 5811 R is designed to be this backbone of your discovery: a refrigerated, multipurpose system that keeps tube, bottle, and plate workflows moving on one benchtop – supporting today's experiments while remaining relevant for years to come.

Versatility

With a capacity of up to 3 L, 15 rotors, and a wide range of adapters, our Centrifuge 5811 R supports tubes, bottles, flasks, and plates within a single benchtop footprint. Swing-bucket and fixed-angle rotors, together with mixed bucket loading, enable different vessel types to be combined in one run and allow rapid adaptation when formats, users, or applications change.

Sustainability

The propane-based (R₂₉₀) cooling system provides a global warming potential (GWP) of 0.02* and complies with current regulatory requirements. ECO shut-off, energy-efficient FastTemp, and aerodynamic bucket designs support responsible power use, so long-term refrigerated operation can better align with evolving sustainability targets.

* Based on IPCC report No.6
(GWP = 3 based on older IPCC report No.4)

Robustness

As the successor to our proven Centrifuge 5810 R, the Centrifuge 5811 R is engineered for dependable, everyday performance. A robust drive, precise temperature control, automatic imbalance detection, and aerosol-tight rotors help protect both samples and users, while compatibility with most existing rotors simplifies the transition and helps preserve prior investments.



Smart design for your discovery

Versatility

- > 15 rotors
- > Mixed bucket loading
- > Fits tubes, plates and bottles

Ergonomics

- > Eppendorf QuickLock® rotor lids
- > Low access height
- > Quiet operation

Power Management

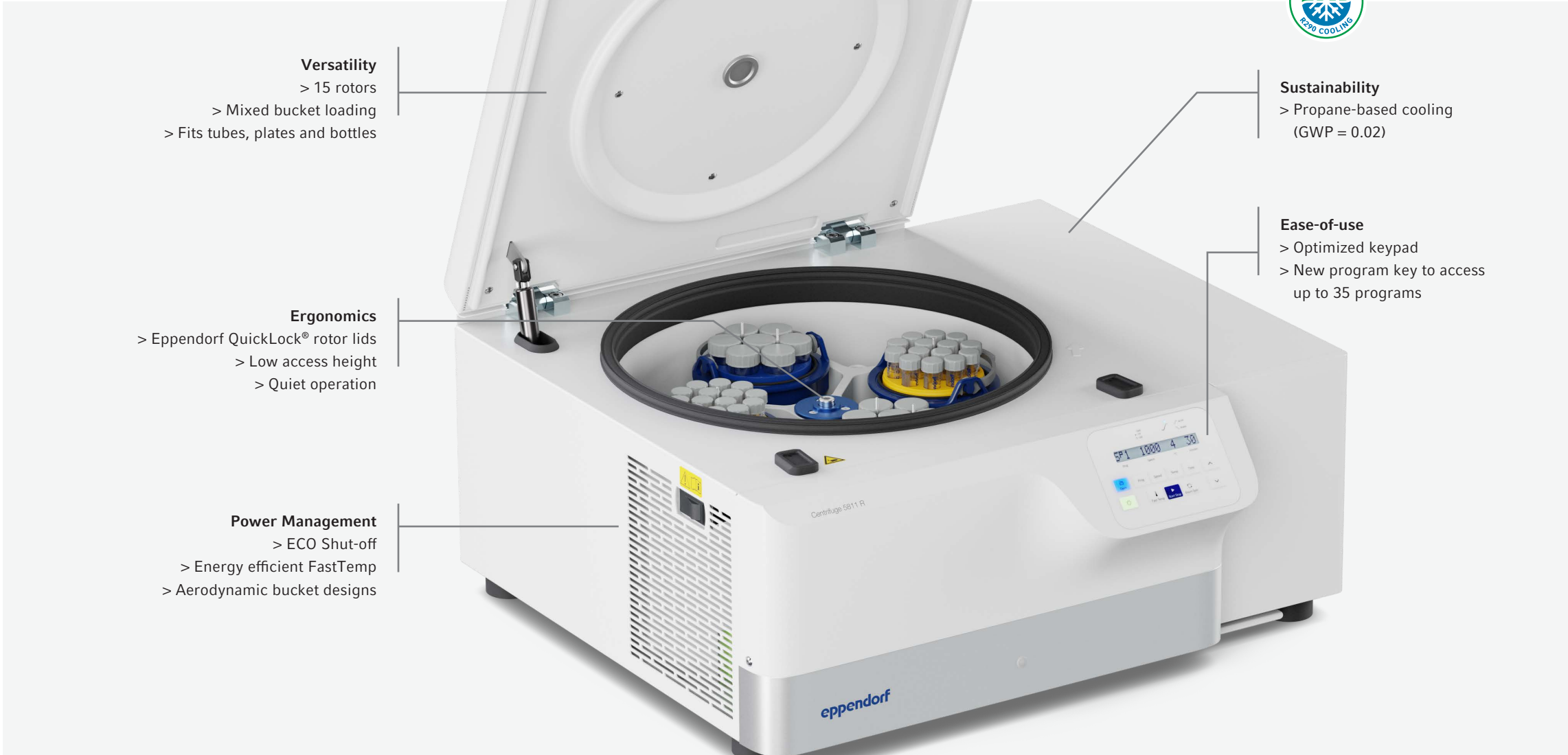
- > ECO Shut-off
- > Energy efficient FastTemp
- > Aerodynamic bucket designs

Sustainability

- > Propane-based cooling (GWP = 0.02)

Ease-of-use

- > Optimized keypad
- > New program key to access up to 35 programs



The image shows a white Eppendorf Centrifuge 5811 R with its lid open, revealing two rotors loaded with tubes. Callout lines point from various features to descriptive text boxes. A 'NATURAL R290 COOLING' logo is also present.

Target applications

Our Centrifuge 5811 R supports a broad range of laboratory applications through its high performance and versatile rotor options.

Typical uses include efficient cell isolation, separation of culture media, and harvesting of cell lysates; rapid pelleting of bacteria, yeast, algae, and other microorganisms; reliable isolation and purification of nucleic acids (DNA, RNA, plasmids); separation of proteins and peptides, purification of protein complexes, and preparation of enzyme assays; as well as the processing of body fluids such as whole blood, serum, plasma, and urine.



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 × g (14,000 rpm) for applications in tubes from 0.2 to 750 mL
- > Aerosol-tight rotors (e.g. for potentially hazardous materials)

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



For more information on Eppendorf Sustainability, please visit www.eppendorf.link/sustainability



Rotor design at its best

Eppendorf's swing-bucket and fixed-angle rotors elevate your centrifuge performance to a new level. Enjoy unique product features that improve handling and performance.

Swing-bucket rotors

Optimized energy efficiency

The 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

Both swing-bucket and fixed-angle rotors have been designed with a particularly long lifetime in mind.

Eppendorf QuickLock® caps for one-hand operation

- > Significantly improved handling, easy operation with one hand
- > 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 Public Health England, 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 ¼ of a turn. This not only saves you time during everyday use, it also reduces repetitive strain on your wrist.

Superior temperature control

Aluminum's high thermal conductivity enables fast pre-cooling and accurate temperature control in refrigerated centrifuges.

Additional rotor features

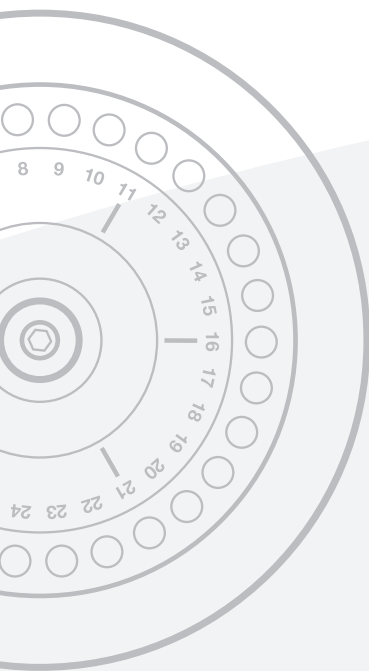
- > All rotors are anodized for high chemical resistance and to prevent corrosion
- > Optimized design of rotor boreholes and adapters provide optimal support for high-speed centrifugation of tubes
- > Aluminum rotors are recyclable



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.

Overview of rotors



Rotor S-4-104

- > High-capacity swing-bucket rotor with max. speed $3,214 \times g$ (3,900 rpm)
- > Rotor S-4-104 accommodates tubes and bottles from 0.2 mL to 750 mL as well as plates
- > Rotor life time: max. 100,000 cycles
- > Buckets, caps, and adapters are autoclavable



Rotor A-4-81

- > 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
- > Rotor life time: max. 100,000 cycles
- > Buckets, caps, and adapters are autoclavable



Rotor S-4-72

- > 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
- > Rotor life time: max. 100,000 cycles
- > Buckets and adapters are autoclavable



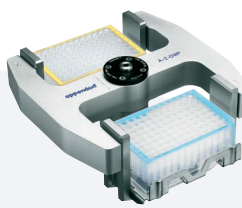
Rotor A-4-62

- > 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
- > Rotor life time: max. 40,000 cycles
- > Rotor, buckets, caps, and adapters are autoclavable



Rotor A-4-44

- > 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
- > Rotor life time: max. 34,000 cycles
- > Rotor, buckets, caps, and adapters are autoclavable



Rotor A-2-DWP

- > Max. speed: $2,250 \times g$ (3,700 rpm)
- > Rotor can handle up to
 - 2 x 5 MTP
 - 2 x 4 Cell culture plates
 - 2 x 2 DWP
 - 2 x 1 Filtration plate kits
- > Maximum loading height of 89 mm
- > Rotor life time: max. 32,000 cycles
- > Rotor and buckets are autoclavable



Rotor A-2-DWP-AT

- > Max. speed: $3,486 \times g$ (4,500 rpm)
- > Rotor can handle up to
 - 2 x 5 MTP
 - 2 x 2 DWP
 - 2 x 1 Filtration plate kits
- > Maximum loading height of 67 mm (89 mm without lid)
- > Rotor life time: max. 100,000 cycles
- > Rotor and buckets are autoclavable



Rotor F-34-6-38

- > High-speed rotor for molecular biology applications in tubes from 0.2 mL to 85 mL
- > Max. speed $18,514 \times g$ (12,000 rpm) in
- > Anodized aluminum for high chemical resistance
- > Rotor, lid, and adapters are autoclavable



Rotor FA-45-6-30

- > High-speed rotor for applications in tubes from 5–50 mL
- > Max. speed $20,133 \times g$ (12,100 rpm) in
- > Anodized aluminum for high chemical resistance
- > Rotor, lid, and adapters are autoclavable



Rotor FA-45-20-17

- > 20 places for Eppendorf Tubes® 5.0 mL
- > Max. speed: $20,913 \times g$ (13,100 rpm)
- > Anodized aluminum for high chemical resistance
- > Rotor, lid, and adapters are autoclavable



Rotor FA-45-48-11

- > 48 places for 1.5/2.0 mL tubes
- > Max. speed: $19,083 \times g$ (max. 13,000 rpm)
- > Anodized aluminum for high chemical resistance
- > Rotor and lid are autoclavable



Rotor F-45-30-11

- > 30 places for 1.5/2.0 mL tubes
- > Max. speed: $20,817 \times g$ (14,000 rpm)
- > Rotors and lids are autoclavable
- > Anodized aluminum for excellent chemical resistance



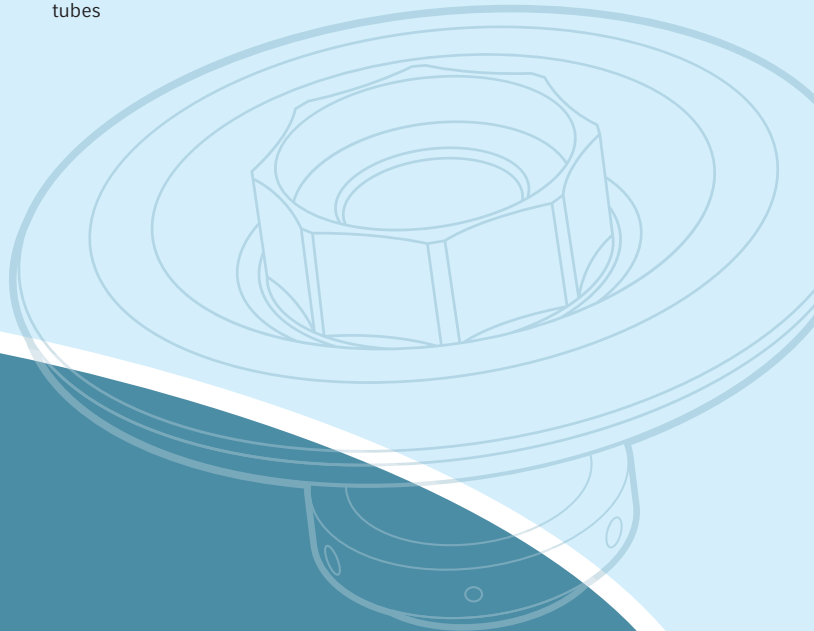
Rotor FA-45-30-11

- > 30 places for 1.5/2.0 mL tubes
- > Max. speed: $20,817 \times g$ (14,000 rpm)
- > Rotor life time: max. 100,000 cycles
- > Rotors and lids are autoclaveable
- > Anodized aluminum for excellent chemical resistance



Rotor F-35-48-17

- > Available in 24 and 48 steel sleeve configurations
- > High-capacity fixed-angle rotor for 15 mL conical and glass tubes
- > Max. speed: $5,005 \times g$ (5,500 rpm)
- > Form inserts for 15 mL conical tubes



Detailed rotor overview



Model	Rotor S-4-104
Max. capacity	4 × 750 mL
Description	Medium capacity swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation
Aerosol-tightness tubes/plates	yes/yes
Max. RCF	3,214 × <i>g</i>
Max. speed	3,900 rpm
Eppendorf Tubes® 5.0 mL and 15 mL conical	56
25 mL snap cap tubes	24
25 mL screw cap tubes	28
50 mL conical tubes	28
13 mm round-bottom and blood collection tubes	92
16 mm round-bottom and blood collection tubes	80
1.5/2.0 mL micro tube	200
PCR plates/MTP	16
Deepwell plates (DWP)	4

*1 Maximum capacity with dedicated bucket/adaptor.
*2 Maximum capacity with dedicated 50 mL bucket.



Model	Rotor A-4-81
Max. capacity	4 × 500 mL
Description	Medium capacity swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation
Aerosol-tightness tubes/plates	yes/no
Max. RCF	3,220 × <i>g</i>
Max. speed	4,000 rpm
Eppendorf Tubes® 5.0 mL and 15 mL conical	48
25 mL snap cap tubes	20
25 mL screw cap tubes	20
50 mL conical tubes	20/28*1
13 mm round-bottom and blood collection tubes	100
16 mm round-bottom and blood collection tubes	64
1.5/2.0 mL micro tube	80
PCR plates/MTP	16
Deepwell plates (DWP)	4



Model	Rotor A-4-62
Max. capacity	4 × 250 mL
Description	Economic swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation
Aerosol-tightness tubes/plates	yes/no
Max. RCF	3,220 × <i>g</i>
Max. speed	4,000 rpm
Eppendorf Tubes® 5.0 mL and 15 mL conical	36
25 mL snap cap tubes	12
25 mL screw cap tubes	12
50 mL conical tubes	16
13 mm round-bottom and blood collection tubes	60
16 mm round-bottom and blood collection tubes	48
1.5/2.0 mL micro tube	64
PCR plates/MTP	16
Deepwell plates (DWP)	4



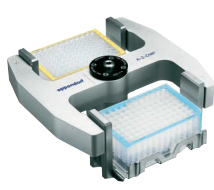
Model	Rotor S-4-72
Max. capacity	4 × 250 mL
Description	Economic swing-bucket rotor for blood, bacteria, cell culture centrifugation
Aerosol-tightness tubes/plates	no/–
Max. RCF	3,234 × <i>g</i>
Max. speed	4,200 rpm
Eppendorf Tubes® 5.0 mL and 15 mL conical	32
25 mL snap cap tubes	16
25 mL screw cap tubes	16
50 mL conical tubes	16
13 mm round-bottom and blood collection tubes	56
16 mm round-bottom and blood collection tubes	52
1.5/2.0 mL micro tube	104
PCR plates/MTP	–
Deepwell plates (DWP)	–



Model	Rotor A-4-44
Max. capacity	4 × 100 mL
Description	High-speed swing-bucket rotor for platelet poor plasma, blood, bacteria and cell culture
Aerosol-tightness tubes/plates	yes/–
Max. RCF	4,500 × <i>g</i>
Max. speed	5,000 rpm
Eppendorf Tubes® 5.0 mL and 15 mL conical	16
25 mL snap cap tubes	4
25 mL screw cap tubes	4
50 mL conical tubes	4/8*2
13 mm round-bottom and blood collection tubes	36
16 mm round-bottom and blood collection tubes	28
1.5/2.0 mL micro tube	48
PCR plates/MTP	–
Deepwell plates (DWP)	–



Model	Rotor A-2-DWP-AT
Max. capacity	2 × 5 MTP, 2 × 2 DWP
Description	Aerosol-tight deepwell plate rotor for safe centrifugation of hazardous samples
Aerosol-tightness tubes/plates	–/yes
Max. RCF	3,486 × <i>g</i>
Max. speed	4,500 rpm
Eppendorf Tubes® 5.0 mL and 15 mL conical	–
25 mL snap cap tubes	–
25 mL screw cap tubes	–
50 mL conical tubes	–
13 mm round-bottom and blood collection tubes	–
16 mm round-bottom and blood collection tubes	–
1.5/2.0 mL micro tube	48
PCR plates/MTP	10
Deepwell plates (DWP)	2



Model	Rotor A-2-DWP
Max. capacity	2 × 5 MTP, 2 × 2 DWP
Description	Economic deepwell plate rotor
Aerosol-tightness tubes/plates	–/no
Max. RCF	2,250 × <i>g</i>
Max. speed	3,700 rpm
Eppendorf Tubes® 5.0 mL and 15 mL conical	–
25 mL snap cap tubes	–
25 mL screw cap tubes	–
50 mL conical tubes	–
13 mm round-bottom and blood collection tubes	–
16 mm round-bottom and blood collection tubes	–
1.5/2.0 mL micro tube	48
PCR plates/MTP	10
Deepwell plates (DWP)	4



Model	Rotor F-34-6-38
Max. capacity	6 × 85 mL
Description	High-speed rotor suitable for molecular applications in tubes up to 85 mL
Aerosol-tightness	no
Max. RCF	18,514 × <i>g</i>
Max. speed	12,000 rpm
1.5/2.0 mL micro tube	24
Eppendorf Tubes® 5.0 mL and 15 mL conical	6
50 mL conical tubes	6
25 mL conical tubes	6*3,4
85 mL Oakridge tubes	6

*3 Screw cap tubes only.
*4 Please order adapter for 25 mL conical tubes screw cap 5820 734 000.
*5 Please order adapter for 25 mL conical tubes snap cap 5820 733 004.



Model	Rotor FA-45-6-30
Max. capacity	6 × 50 mL
Description	Aerosol-tight high-speed rotor for safe centrifugation of hazardous samples
Aerosol-tightness	yes
Max. RCF	20,133 × <i>g</i>
Max. speed	12,100 rpm
1.5/2.0 mL micro tube	–
Eppendorf Tubes® 5.0 mL and 15 mL conical	6
50 mL conical tubes	6
25 mL conical tubes	6*4,5
85 mL Oakridge tubes	–



Model	Rotor FA-45-20-17
Max. capacity	20 × 5.0 mL
Description	Aerosol-tight applications in Eppendorf Tubes® 5.0 mL
Aerosol-tightness	yes
Max. RCF	20,913 × <i>g</i>
Max. speed	13,100 rpm
1.5/2.0 mL micro tube	20
Eppendorf Tubes® 5.0 mL and 15 mL conical	20/–
50 mL conical tubes	–
25 mL conical tubes	–
85 mL Oakridge tubes	–



Model	Rotor FA-45-48-11
Max. capacity	48 × 1.5/2.0 mL
Description	Aerosol-tight microcentrifuge tube rotor for safe centrifugation of hazardous samples
Aerosol-tightness	yes
Max. RCF	19,083 × <i>g</i>
Max. speed	13,000 rpm
1.5/2.0 mL micro tube	48
Eppendorf Tubes® 5.0 mL and 15 mL conical	–
50 mL conical tubes	–
25 mL conical tubes	–
85 mL Oakridge tubes	–



Model	Rotor F-45-30-11/Rotor FA-45-30-11
Max. capacity	30 × 1.5/2.0 mL
Description	Microcentrifuge tube rotor
Aerosol-tightness	no/yes
Max. RCF	20,817 × <i>g</i>
Max. speed	14,000 rpm
1.5/2.0 mL micro tube	30
Eppendorf Tubes® 5.0 mL and 15 mL conical	–
50 mL conical tubes	–
25 mL conical tubes	–
85 mL Oakridge tubes	–

Detailed rotor overview

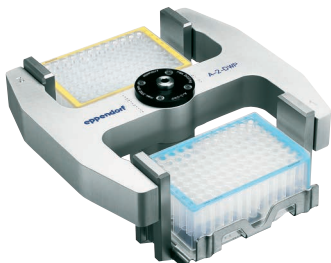


Model	Rotor F-35-48-17*1
Aerosol-tightness	no
Max. RCF	5,005 × <i>g</i>
Max. speed	5,500 rpm
1.5/2.0 mL micro tube	–
Eppendorf Tubes® 5.0 mL and 15 mL conical	–/40

*1 Please note that a software upgrade will be necessary for older centrifuges when using this rotor.
Please contact your local Eppendorf organization or dealer for further information.

Ordering information	
Description	Order no.
Rotor FA-45-20-17, aerosol-tight, incl. rotor lid, for 20 Eppendorf Tubes® 5.0 mL	5820 765 003
Rotor FA-45-48-11, aerosol-tight, incl. rotor lid, for 48 × 1.5/2.0 mL tubes	5820 760 001
Rotor F-45-30-11, incl. rotor lid, for 30 × 1.5/2.0 mL reaction vessels	5804 715 004
Rotor FA-45-30-11, aerosol-tight, for 30 × 1.5/2.0 mL reaction vessels	5804 726 006
Adapter, for 1 vessel 1.5–2.0 mL, for all 5.0 mL rotors, 4 pcs.	5820 768 002
Adapter, for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.	5820 769 009
Adapter, for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.	5820 770 007

Ordering information	
Description	Order no.
Rotor F-35-48-17, for 24 × 15 mL conical tubes, incl. 24 steel sleeves and adapters	5820 771 003
Rotor F-35-48-17, for 40 × 15 mL conical tubes, incl. 48 steel sleeves and adapters	5820 772 000

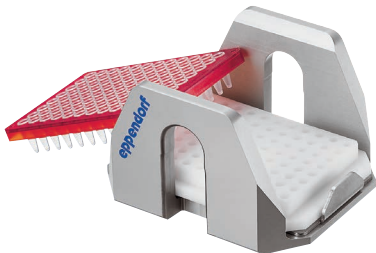


- Rotor A-2-DWP**
- > Max. speed: 2,250 × *g* (3,700 rpm)
 - > Rotor can handle up to
 - 2 × 5 MTP
 - 2 × 4 Cell culture plates
 - 2 × 2 DWP
 - 2 × 1 Filtration plate kits



- Rotor A-2-DWP-AT**
- > Max. speed: 3,486 × *g* (4,500 rpm)
 - > Rotor can handle up to
 - 2 × 5 MTP
 - 2 × 2 DWP
 - 2 × 1 Filtration plate kits
 - 2 × 2 Cell culture plates

Ordering information	
Description	Order no.
Rotor A-2-DWP	5804 740 009
Rotor A-2-DWP-AT, incl. 2 buckets, 2 aerosol-tight caps and 2 plate carriers	5820 710 004



- PCR plate adapter**
- > Adapter is designed to support thin-walled PCR plate wells during centrifugation
 - > Available for 96-well and 384-well PCR plates
 - > Can be used in all Eppendorf plate rotors



- Cell culture flask adapter**
- > Adapter to spin down cell cultures directly in a cell culture flask
 - > Suitable for 25 cm² and selective 75 cm² flasks
 - > Can be used in Eppendorf plate rotor A-4-MTP/Flex



- IsoRack adapter**
- > IsoRack adapters to support 1.5/2.0 mL IsoRacks during centrifugation
 - > Can be used in Eppendorf plate rotors A-2-DWP-AT, and A-4-81-MTP/Flex

Ordering information	
Description	Order no.
Adapter, for 1 cell culture flask, for Rotors A-4-81-MTP/Flex	5825 719 000
Adapter, for 1 PCR plate (96 wells), for 96-well PCR plates, used in A-4-81-MTP/Flex, A-4-62-MTP, A-2-DWP-AT and A-2-DWP, 2 pcs.	5825 711 009
Adapter, for 1 PCR plate (384 wells), for 384-well PCR plates, used in A-4-81-MTP/Flex, A-4-62-MTP, A-2-DWP-AT and A-2-DWP, 2 pcs.	5825 713 001
IsoRack adapter, for 24 vessels in the IsoRack 1.5/2.0 mL, for Rotors S-4x1000, S-4x1000 HC, S-4xUniversal-Large, S-4xUniversal, S-2xUniversal ID, S-4x750, S-4-104, S-4x500, A-4-81, A-2-DWP-AT (with SBS adapter) and A-2-DWP (with SBS adapter), for 24 × 1.5/2.0 mL tubes in the IsoRack, 2 pcs.	5825 709 004
CombiSlide Adapter, for 12 slides CombiSlide, for Rotors A-2-DWP and A-4-81 (MTP), 2 pcs.	5825 706 005

Detailed rotor overview



- Rotor S-4-104**
- > Medium capacity swing-bucket rotor with max. speed 3,214 × *g* (3,900 rpm)
 - > Broad range of adapters enables high versatility for tubes and bottles 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

Ordering information	
Description	Order no.
Rotor S-4-104, incl. 4 × 750 mL round buckets	5820 740 000
Rotor S-4-104, aerosol-tight capable, incl. 4 plate buckets	5820 754 001
Rotor S-4-104, without buckets	5820 755 008
Inlay for plate bucket, for Rotor S-4-104, 4 pcs.	5820 751 002
Plate carrier, for Rotor S-4-104, 2 pcs.	5820 756 004
Plate bucket, for Rotor S-4-104, aerosol-tight capable, incl. plate carrier, 2 pcs.	5820 744 006
Plate bucket, for Rotor S-4-104, aerosol-tight capable, incl. plate carrier, 4 pcs.	5820 743 000
Plate bucket (open), for Rotor S-4-104, incl. plate carrier, 4 pcs.	5820 757 000
Round bucket 750 mL, for Rotor S-4-104, 2 pcs.	5820 742 003
Round bucket 750 mL, for Rotor S-4-104, aerosol-tight capable, 4 pcs.	5820 741 007
Caps, Rotor S-4-104, plate bucket, aerosol-tight, 2 pcs.	5820 748 001
Caps for 750 mL/1,000 mL, for Rotor S-4-104, aerosol-tight, 2 pcs.	5820 747 005
Wide-neck bottle 750 mL, for Rotor S-4-104, 2 pcs.	5820 708 000

Adapters for Rotor S-4-104							
	1.5/2.0 mL	12 × 75 mm, 5 mL FACS	2.6–8 mL	5.5–12 mL	9 mL	14 mL	Eppendorf Tubes® 5.0 mL and 15 mL conical
Max. tube diameter	11 mm	12 mm	13 mm	16 mm	17.5 mm	17.5 mm	17 mm
Max. vessel height	39 mm	115 mm	115 mm	119 mm	111 mm	117 mm	125 mm
Max. vessel height for use with cap/lid*1	39 mm	108 mm	108 mm	114 mm	106 mm	112 mm	121 mm
Adapter							
Number of vessels per adapter/rotor	50/200	27/108	23/92	20/80	20/80	14/56	14/56
Bottom shape	flat	round	round	round	round	round	conical
Centrifugation radius	188 mm	183 mm	179 mm	180 mm	179 mm	185 mm	188 mm
Max. RCF	3,197 × <i>g</i>	3,112 × <i>g</i>	3,044 × <i>g</i>	3,061 × <i>g</i>	3,044 × <i>g</i>	3,146 × <i>g</i>	3,197 × <i>g</i>
Packaging	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5825 740 009	5825 747 003	5825 738 004	5825 736 001	5825 743 008	5825 748 000	5825 734 009

*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 Please order adapter for 25 mL conical tubes snap cap 5820 733 004.
*3 Please order adapter for 25 mL conical tubes screw cap 5820 734 000.
*4 Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.
*5 225 mL conical bottles from BD®/Corning® and 250 mL conical bottles from Nunc® for Rotor S-4-104 and S-4x750.

25 mL snap cap*2	25 mL screw cap*3	50 mL screw cap	45 mL snap cap	30 mL	50 mL conical skirted	250 mL flat, 175–225/250 mL conical*4,5	500 mL Corning®	750 mL
30 mm	30 mm	30 mm	30 mm	25 mm	30 mm	62 mm	96 mm	102 mm
83 mm	78.5 mm	122 mm	122 mm	–	120 mm	145 mm	147 mm	140 mm
83 mm	78.5 mm	116 mm	116 mm	–	116 mm	125 mm	–	–
6/24	7/28	7/28	6/24	8/32	5/20	1/4	1/4	1/4
conical				flat	conical, skirted	flat	conical	flat
161 mm	151 mm	187 mm	187 mm	–	178 mm	183 mm	187 mm	185 mm
2,737 × <i>g</i>	2,567 × <i>g</i>	3,180 × <i>g</i>	3,180 × <i>g</i>		3,027 × <i>g</i>	3,112 × <i>g</i>	3,180 × <i>g</i>	3,146 × <i>g</i>
		2 pcs.		2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
		5825 733 002		5825 755 006	5825 732 006	5825 741 005	5825 745 000	5825 744 004

Detailed rotor overview

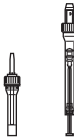
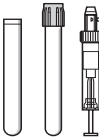
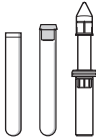
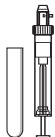
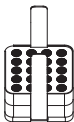
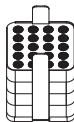
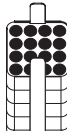


- Rotor A-4-81**
- > Swing-bucket rotor with max. speed $3,220 \times g$ (4,000 rpm)
 - > Rotor A-4-81 accommodates tubes and bottles from 0.2 mL to 500 mL as well as plates
 - > Aerosol-tight caps*1 for safe centrifugation of hazardous samples optionally available

*1 Aerosol-tightness tested by Public Health England, Porton Down, UK.

Ordering information

Description	Order no.
Rotor A-4-81 , for 500 mL rectangular buckets or MTP/Flex buckets, incl. 4 x 500 mL rectangular buckets	5810 718 007
Rotor A-4-81 , without buckets	5810 743 001
Rotor A-4-81-MTP/Flex , Swing-bucket rotor, incl. 4x MTP/Flex buckets	5810 725 003
Bucket for 7 x 50 mL conical tubes , for Rotor A-4-81, 4 pcs.	5825 730 003
Rectangular bucket 500 mL , for Rotor A-4-81, 4 pcs.	5810 730 007
Cap , aerosol-tight, for 500 mL rectangular bucket, 2 pcs.	5810 724 007
Wide-neck bottle 500 mL , for Rotor A-4-81, rectangular, 2 pcs.	5820 707 003
Wide-neck bottle 400 mL , for Rotor A-4-81, lid blue, 2 pcs.	5810 729 009
MTP/Flex buckets , for Rotor A-4-81, for use with IsoRack and cell culture flask adapters as well as MTP and DWP, 2 pcs.	5810 742 005
MTP/Flex buckets , for Rotor A-4-81, for use with IsoRack and cell culture flask adapters as well as MTP and DWP, 4 pcs.	5810 741 009

Adapters for Rotor A-4-81									
	Tube volume	1.5/2 mL	1.2–5 mL	2.6–5 mL	2.6–7 mL	3–15 mL	7–17 mL	Eppendorf Tubes® 5.0 mL and 15 mL conical	25 mL snap cap
Max. tube diameter	11 mm	11 mm	13 mm	13 mm	16 mm	17.5 mm	17 mm	30 mm	30 mm
Max. vessel height	43 mm	108 mm	108 mm	108 mm	108 mm	118 mm	121 mm	83 mm	78.5 mm
Max. vessel height for use with cap/lid*1	43 mm	108 mm	107 mm	108 mm	108 mm	108 mm	121 mm	116 mm	78.5 mm
Adapter									
Number of vessels per adapter/rotor	20/80	20/80	25/100	18/72	16/64	16/64	12/48	5/20	5/20
Bottom shape	flat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat	conical	conical	
Centrifugation radius	165 mm	168 mm	168 mm	168 mm	168 mm	168 mm	173 mm	158 mm	148 mm
Max. RCF	2,950 × g	3,000 × g	3,000 × g	3,000 × g	3,000 × g	3,000 × g	3,100 × g	2,826 × g	2,647 × g
Packaging	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	
Order no.	5810 745 004	5810 746 000	5810 720 001	5810 747 007	5810 748 003	5810 721 008	5810 722 004	5810 723 000	

*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 Please order adapter for 25 mL conical tubes snap cap 5820 733 004.
*3 Please order adapter for 25 mL conical tubes screw cap 5820 734 000.
*4 Please order adapter for 50 mL conical tubes skirted 5804 737 008 or 022654373 for U.S. and Canada.
*5 Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.

50 mL screw cap	45 mL snap cap	25 mL snap cap*2	25 mL screw cap*3	50 mL screw cap	45 mL snap cap	30–50 mL round-bottom/ 50 mL conical, skirted*4	180–250 mL flat/ 175–225 mL conical*5	400 mL	500 mL	MTP, DWP, PCR plates
30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	61 mm	62 mm	83 mm	–
122 mm	122 mm	83 mm	78.5 mm	122 mm	122 mm	121 mm	133 mm	133 mm	134 mm	60 mm
116 mm	116 mm	–	–	–	–	–	–	–	134 mm	–
5/20	5/20	7/28	7/28	7/28	7/28	5/20	1/4	1/4	–/4	4/16 (MTP) 1/4 (DWP)
conical		conical				flat with rubber mat	flat with rubber mat	flat, rubber	flat	flat with rubber mat
173 mm	173 mm	155 mm	145 mm	180 mm	180 mm	173 mm	173 mm	180 mm	180 mm	163 mm
$3,100 \times g$	$3,100 \times g$	$2,772 \times g$	$2,593 \times g$	$3,220 \times g$	$3,220 \times g$	$3,100 \times g$	$3,100 \times g$	$3,220 \times g$	$3,220 \times g$	$2,900 \times g$
2 pcs.		4 pcs.				2 pcs.	2 pcs.	2 pcs.	–	2 pcs.
5810 723 000		5825 730 003				5810 739 004	5825 722 000	5810 728 002	–	5810 742 005

Detailed rotor overview



Rotor A-4-62

- > Swing-bucket rotor with max. speed 3,220 × *g* (4,000 rpm)
- > Rotor A-4-62 accommodates tubes and bottles from 0.2 mL to 250 mL as well as plates
- > Aerosol-tight caps*1 for safe centrifugation of hazardous samples optionally available

*1 Aerosol-tightness tested by Public Health England, Porton Down, UK.

Ordering information

Description	Order no.
Rotor A-4-62, incl. 4 × 250 mL rectangular buckets	5810 709 008
Rotor A-4-62-MTP, with 4x MTP buckets	5810 711 002
MTP bucket for Rotor A-4-62, for 4x MTP or 1x DWP, 4 pcs.	5810 702 003
Caps, for rectangular bucket 250 mL, aerosol-tight, 2 pcs.	5810 710 006
Rectangular bucket 250 mL, for Rotor A-4-62, 4 pcs.	5810 716 004

Adapters for Rotor A-4-62								
	1.5/2 mL	1.2–5 mL	2.6–7 mL	3–15 mL	7–17 mL	Eppendorf Tube® 5.0 mL and 15 mL conical	7–18 mL	18–25 mL
Max. tube diameter	11 mm	11 mm	13 mm	16 mm	17.5 mm	17 mm	20 mm	26 mm
Max. vessel height	43 mm	123 mm	121 mm	121 mm	118 mm	127 mm	126 mm	119 mm
Max. vessel height for use with cap/lid*2	43 mm	115 mm	118 mm	116 mm	114 mm	121 mm	119 mm	116 mm
Adapter								
Number of vessels per adapter/rotor	16/64	25/100	15/60	12/48	12/48	9/36	8/32	4/16
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	171 mm	173 mm	173 mm	173 mm	173 mm	178 mm	173 mm	173 mm
Max. RCF	3,000 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>	3,150 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>
Packaging	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5810 751 004	5810 750 008	5810 752 000	5810 753 007	5810 754 003	5810 755 000	5810 756 006	5810 757 002

*2 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.

*3 Please order adapter for 50 mL conical tubes skirted 5804 737 008.

25 mL snap cap	25 mL screw cap	50 mL screw cap	45 mL snap cap	50 mL screw cap	45 mL snap cap	30–50 mL round-bottom/50 mL conical, skirted*3	50–75 mL	80–120 mL	200–250 mL flat/175–225 mL conical	MTP, DWP, PCR plates
30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	35 mm	45 mm	62 mm	–
83 mm	78.5 mm	122 mm	118 mm	122 mm	122 mm	115 mm	122 mm	138 mm	136 mm	53 mm
83 mm	78.5 mm	116 mm	116 mm	–	–	–	118 mm	125 mm	127 mm	–
3/12	3/12	3/12	3/12	4/16	4/16	4/16	2/8	1/4	1/4	4/16 (MTP) 1/4 (DWP)
conical				flat with conical inlay		flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat
151 mm	141 mm	178 mm	173 mm	173 mm	173 mm	173 mm	173 mm	173 mm	180 mm	154 mm
2,701 × <i>g</i>	2,522 × <i>g</i>	3,150 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>	3,050 × <i>g</i>	3,220 × <i>g</i>	2,750 × <i>g</i>
2 pcs.				2 pcs.		2 pcs.	2 pcs.	2 pcs.	2 pcs.	4 pcs.
5810 758 009				5810 763 002		5810 759 005	5810 760 003	5810 761 000	5810 770 009	5810 702 003

Detailed rotor overview



Rotor S-4-72

- > 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

Ordering information

Description	Order no.
Rotor S-4-72, incl. 4 × 250 mL round buckets	5804 746 007

Adapters for Rotor S-4-72					
	1.5/2.0 mL	2.6–8 mL	5.5–12 mL	9 mL	Eppendorf Tubes® 5.0 mL
	11 mm	13 mm	16 mm	17.5 mm	17 mm
	43 mm	115 mm	112 mm	113 mm	60 mm
Number of vessels per adapter/rotor	26/104	14/56	13/52	12/48	8/32*1
Bottom shape	flat	round	round	round	conical
Centrifugation radius	159 mm	159 mm	157 mm	158 mm	163 mm
Max. RCF	3,136 × <i>g</i>	3,136 × <i>g</i>	3,096 × <i>g</i>	3,116 × <i>g</i>	3,215 × <i>g</i>
Packaging	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5804 794 001	5804 789 008	5804 791 002	5804 792 009	5804 793 005

*1 For Eppendorf Tubes® 5.0 mL with screw cap the capacity is limited to 6 tubes per adapter.
*2 Please order adapter for 25 mL conical tubes snap cap 5820 733 004.
*3 Please order adapter for 25 mL conical tubes screw cap 5820 734 000.
*4 Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.

15 mL conical	25 mL snap cap*2	25 mL screw cap*3	50 mL screw cap	45 mL snap cap	50 mL conical skirted	250 mL flat/ 175 mL Falcon®*4
17 mm	30 mm	30 mm	30 mm	30 mm	30 mm	62 mm
120 mm	91 mm	84.5 mm	120 mm	118 mm	120 mm	130 mm
8/32	4/16	4/16	4/16	4/16	2/8	1/4
conical		conical			conical	flat
164 mm	137 mm	128 mm	164 mm	164 mm	153 mm	161 mm
3,234 × <i>g</i>	2,701 × <i>g</i>	2,524 × <i>g</i>	3,234 × <i>g</i>	3,234 × <i>g</i>	2,602 × <i>g</i>	3,155 × <i>g</i>
2 pcs.		2 pcs.			2 pcs.	2 pcs.
5804 783 000		5804 784 006			5804 785 002	5804 787 005

Detailed rotor overview



Rotor A-4-44

- > High-speed swing-bucket rotor for applications up to 4,500 × g (5,000 rpm)
- > Rotor A-4-44 accommodates tubes from 0.2 mL to 100 mL
- > Aerosol-tight caps*1 for safe centrifugation of hazardous samples optionally available

*1 Aerosol-tightness tested by Public Health England, Porton Down, UK.

Ordering information

Description	Order no.
Rotor A-4-44, incl. 4 × 100 mL rectangular buckets	5804 709 004
Bucket for 2 × 50 mL conical tubes, for Rotor A-4-44, 4 pcs.	5804 706 005
Rotor A-4-44, incl. 4 buckets for 2 × 50 mL conical tubes	5804 719 000
Rectangular bucket 100 mL, for Rotor A-4-44, 4 pcs.	5804 741 005
Caps, for 100 mL rectangular bucket, aerosol-tight, 2 pcs.	5804 712 005
Adapter Insert, insert for 50 mL conical tubes with skirted bottom, 8 pcs.	5804 737 008

Adapters for Rotor A-4-44									
	1.5/2 mL	1.2–5 mL	2.6–7 mL	3–15 mL	7–17 mL	Eppendorf Tubes® 5.0 mL and 15 mL conical tubes	15 mL conical	7–18 mL	18–30 mL
Max. tube diameter	11 mm	11 mm	13 mm	16 mm	17.5 mm	17 mm	17 mm	20 mm	26 mm
Max. vessel height	43 mm	105 mm	108 mm	108 mm	110 mm	121 mm	121 mm	107 mm	110 mm
Max. vessel height for use with cap/lid*1	43 mm	102 mm	106 mm	106 mm	106 mm	–	121 mm	104 mm	100 mm
Adapter									
Number of vessels per adapter/rotor	12/48	14/56	9/36	7/28	6/24	4/16	2/8	4/16	2/8
Bottom shape	flat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat	conical	conical	flat with rubber mat	flat with rubber mat
Centrifugation radius	148 mm	150 mm	150 mm	150 mm	150 mm	155 mm	157 mm	150 mm	150 mm
Max. RCF	4,100 × g	4,200 × g	4,200 × g	4,200 × g	4,200 × g	4,332 × g	4,388 × g	4,200 × g	4,200 × g
Packaging	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5804 751 000	5804 750 004	5804 752 007	5804 753 003	5804 754 000	5804 755 006	5804 717 007	5804 756 002	5804 757 009

*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 Please order adapter for 25 mL conical tubes snap cap 5820 733 004.

*3 Please order adapter for 25 mL conical tubes screw cap 5820 734 000.

*4 Not autoclavable.

25 mL snap cap	25 mL screw cap	50 mL screw cap	45 mL snap cap	25 mL snap cap	25 mL screw cap	50 mL screw cap	45 mL snap cap	50 mL conical, skirted	50 mL screw cap	45 mL snap cap	50–75 mL	80–100 mL
30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	–	–	35 mm	45 mm
83 mm	78.5 mm	122 mm	119 mm	78.5 mm	78.5 mm	122 mm	119 mm	122 mm	120 mm	120 mm	119 mm	114 mm
83 mm	78.5 mm	116 mm	116 mm	78.5 mm	78.5 mm	119 mm	116 mm	108 mm	–	–	108 mm	100 mm
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	–/8	–/8	1/4	1/4
conical				conical				flat with rubber mat	flat with conical inlay		flat with rubber mat	flat with rubber mat
124 mm	114 mm	155 mm	155 mm	126 mm	116 mm	157 mm	157 mm	150 mm	161 mm	161 mm	150 mm	150 mm
3,465 × g	3,186 × g	4,332 × g	4,332 × g	4,500 × g	4,500 × g	4,300 × g	4,400 × g	4,200 × g	4,500 × g	4,500 × g	4,200 × g	4,200 × g
2 pcs.				2 pcs.				2 pcs.	4 pcs.		2 pcs.	2 pcs.
5810 758 005				5804 718 003				5804 759 001	5804 706 005		5804 760 000	5804 761 006

Detailed rotor overview



Rotor F-34-6-38

- > For molecular applications in tubes from 0.2 mL to 85 mL
- > Max. speed: 18,514 × *g* (12,000 rpm) in Centrifuge 5811 R*1
- > Low rotor weight (3.2 kg) for easy handling

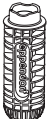
*1 Rotors F-34-6-38 and FA-45-6-30 maintain 4 °C at 11,000 rpm.

Ordering information

Description	Order no.
Rotor F-34-6-38, incl. rotor lid, for 6 × 85 mL tubes	5804 727 002
Rotor lid, for F-34-6-38, for Centrifuge 58xx	5804 727 509

Adapters for Rotor F-34-6-38					
	1.5/2 mL	2–5 mL (13 × 75 mm)	4–7 mL (13 × 100 mm)	7–15 mL	Eppendorf Tubes® 5.0 mL
	11 mm	13 mm	13 mm	16 mm	17 mm
Max. vessel height for use with cap/lid	43 mm	80 mm	107 mm	112 mm	–
Adapter					
Number of vessels per adapter/rotor	4/24	3/18	3/18	2/12	1/6
Bottom shape	round	flat	flat	round	conical
Centrifugation radius	113 mm	106 mm	114 mm	112 mm	105 mm
Max. RCF at 12,000 rpm	18,200 × <i>g</i>	17,065 × <i>g</i>	18,353 × <i>g</i>	18,000 × <i>g</i>	16,842 × <i>g</i>
Packaging	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5804 770 005	5804 738 004	5804 739 000	5804 771 001	5804 777 000

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

							
15 mL conical	15–18 mL	20–30 mL	25 mL screw cap*2	50 mL screw cap	45 mL snap cap	50 mL	85 mL
17.5 mm	18 mm	26 mm	30 mm	30 mm	30 mm	29 mm	38 mm
123 mm	123 mm	123 mm	78.5 mm	117 mm	118 mm	123 mm	121 mm
							–
1/6	1/6	1/6	1/6	1/6	1/4	1/6	–/6
conical	round	round	conical			round	round
10.7	10.9	11.0	87 mm	108 mm	108 mm	112 mm	115 mm
17,200 × <i>g</i>	17,550 × <i>g</i>	17,700 × <i>g</i>	14,070 × <i>g</i>	17,387 × <i>g</i>	17,387 × <i>g</i>	18,014 × <i>g</i>	18,500 × <i>g</i>
2 pcs.	2 pcs.	2 pcs.	2 pcs.			2 pcs.	2 pcs.
5804 776 003	5804 772 008	5804 773 004	5804 775 007			5804 774 000	–

Detailed rotor overview



Rotor FA-45-6-30
> High-speed rotor for applications in tubes from 5–50 mL
> Max. speed 20,133 × *g* (12,100 rpm) in Centrifuge 5811 R*¹
> Aerosol-tight Eppendorf QuickLock® rotor lid for fast lid*² locking

^{*1} Rotors F-34-6-38 and FA-45-6-30 maintain 4 °C at 11,000 rpm.
^{*2} Aerosol-tightness tested by Public Health England, Porton Down, UK.

Adapters for Rotor FA-45-6-30					
	2.6–5 mL	4–8 mL	5.5–10 mL	7.5–12 mL	Eppendorf Tubes® 5.0 mL
	13.5 mm	13.5 mm	16 mm	16 mm	17 mm
	–	119 mm	–	119 mm	–
	Adapter				
Number of vessels per adapter/rotor	1/6	1/6	1/6	1/6	1/6* ³
Bottom shape	round	round	round	round	conical
Centrifugation radius	120 mm	120 mm	120 mm	120 mm	121 mm
Max. RCF at 12,100 rpm	19,642 × <i>g</i>	19,642 × <i>g</i>	19,642 × <i>g</i>	19,642 × <i>g</i>	19,806 × <i>g</i>
Packaging	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5820 726 008	5820 725 001	5820 728 000	5820 727 004	5820 730 005

*³ Eppendorf Tubes® 5.0 mL with screw cap will not fit in this adapter.

Ordering information	
Description	Order no.
Rotor FA-45-6-30, aerosol-tight, incl. rotor lid, for 6 × 15/50 mL conical tubes	5820 715 006

7–17 mL	15 mL	16 mL	30 mL	25 mL snap cap	25 mL screw cap	50 mL screw cap	45 mL snap cap
17.5 mm	17 mm	18 mm	26 mm	30 mm	30 mm	30 mm	30 mm
112 mm	125 mm	107 mm	104 mm	94 mm	85 mm	127 mm	122 mm
						–	–
1/6	1/6	1/6	1/6	1/6	1/6	–/6	–/6
round	conical	round	round	conical	conical	conical	conical
120 mm	120 mm	120 mm	105 mm	104 mm	97 mm	123 mm	123 mm
19,642 × <i>g</i>	19,642 × <i>g</i>	19,642 × <i>g</i>	17,187 × <i>g</i>	17,023 × <i>g</i>	15,878 × <i>g</i>	20,133 × <i>g</i>	20,133 × <i>g</i>
2 pcs.	2 pcs.	2 pcs.	2 pcs.	6 pcs.	6 pcs.	–	–
5820 729 007	5820 717 009	5820 720 000	5820 721 006	5820 733 004	5820 734 000	–	–

Detailed rotor overview



Rotor F-35-48-17
> 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
> 20 places for Eppendorf Tubes® 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



Rotors F-45-30-11 and FA-45-30-11
> 30 places for 1.5/2.0 mL tubes
> Max. speed: 20,817 × *g* (14,000 rpm)
> Rotor FA-45-30-11 comes with aerosol-tight* lid for?
Safe centrifugation of hazardous samples
> Rotors and lids are autoclavable



Rotor FA-45-48-11
> 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* for safe centrifugation of hazardous samples
> Anodized aluminum for high chemical resistance
> Rotor and lid are autoclavable

Ordering information	
Description	Order no.
Rotor F-35-48-17 , incl. 48 steel sleeves for 15 mL tubes, with 40 conical inserts and 48 rubber mats	5820 772 000
Rotor F-35-48-17 , incl. 24 steel sleeves for 15 mL tubes, with 24 conical inserts and 24 rubber mats	5820 771 003
Rotor FA-45-20-17 , 20 × 5.0 mL, incl. aerosol-tight Eppendorf QuickLock® rotor lid	5820 765 003
Adapter for 1.5/2.0 mL tubes, set of 4	5820 768 002
Adapter for cryogenic vials, set of 4	5820 769 009
Adapter for HPLC tubes, set of 4	5820 770 007

Ordering information	
Description	Order no.
Rotor FA-45-48-11 , incl. aerosol-tight Eppendorf QuickLock® rotor lid	5820 760 001
Rotor FA-45-30-11 , 30 × 1.5/2.0 mL, with aluminum lid, aerosol-tight*	5804 726 006
Rotor F-45-30-11 , 30 × 1.5/2.0 mL, with aluminum lid	5804 715 004
Adapter for 0.2 mL PCR tubes (for 1.5/2.0 mL rotors), set of 6	5425 715 005
Adapter for 0.4 mL tubes (for 1.5/2.0 mL rotors), set of 6	5425 717 008
Adapter for 0.5 mL tubes or Microtainer® (for 1.5/2.0 mL rotors), set of 6	5425 716 001

* Aerosol-tightness is tested and certified by Public Health England, Porton Down, UK.



Your service options

Our Service Agreements – Your Advantages

With our basket of Service Agreement solutions, we take the load off your shoulders by simplifying your ordering and budgeting process for various services over the full lifetime of your instruments.

Your costs are reduced and predictable, thereby assuring continuous productivity and a long service life. In addition, our agreements include repair costs – fully or partially – and discounts on other services.

Qualification services

IQ and OQ services – Support GxP compliance

Are you working in a regulated environment? We offer specifically created Installation Qualification (IQ) and Operational Qualification (OQ) services including supportive GxP compliant documentation. These documents

support the complex GxP standards and regulations, reducing your administrative workload, and provide you with qualified assurance that your instrument is installed and operating in accordance with the manufacturer’s specifications.

Eppendorf Service Agreements







Service Agreement	AdvancedCare	PremiumCare
	For assured instrument reliability and uptime	For assured instrument reliability, uptime and financial plannability
Full preventive maintenance	1/year	1/year
Priority support*1		
Parts, labor, travel on repairs	20% discount	included
Discount on additional services (e.g. IQ/OQ)	10%	10%

*1 Subject to local business conditions, and based on a »best-effort« practise. For more information, please contact your local service organization.

Installation Qualification & Operational Qualification services	IQ/OQ GxP	OQ GxP
Check of delivery status, and installation environment		–
Initial configuration, functional*2 and safety checks.		–
Detailed IQ report		–
Test of notification and alert functions		
Verification of instrument parameters*2 (e.g. temperature, speed)		
Detailed OQ report and handling of deviation list		
Signed approval by customer and service technician		

*2 According to manufacturer specifications.

Centrifuge 5811 R at a glance

Key Features

Sustainability

Ergonomics and convenience

Versatility

Additional Features

Certifications

Company

> Propane-based cooling system (GWP 0.02)

> ECO shut-off function and aerodynamic bucket design for reduced energy consumption

> ACT 2.0 ecolabel

> Aerosol-tight Eppendorf QuickLock® rotor lids and caps for safe and stressless operation

> 7 different swing-bucket rotors (incl. 2 plate rotors)

> 7 different fixed-angle rotors with speeds up to 20,913 × *g*

> Mixed bucket loading for enhanced flexibility

> Broad adapter portfolio for different vessel types and sample volumes offer outstanding versatility

> Low loading height for convenient and easy loading and unloading

> Light-weight rotor design for convenient handling

> Soft-touch lid closure

> ISO 9001

> ISO 14001

> ISO 13485

> Centrifuge

> EU Declaration of Conformity (incl. all relevant directives and safety standards)

> Factory acceptance test/Inspection report

> Certificate of containment testing for aerosol-tight rotors

Technical Specifications	
Maximum Speed	
Max. RCF	
> Fixed-angle rotors	20,913 × <i>g</i>
> Swing-bucket rotor	4,500 × <i>g</i>
Max. rotational speed	14,000 rpm
Max. capacity	4 × 750 mL
Max. power consumption	1,650 W (230 V) / 1,300 W (120 V)
Noise level	< 56 dB(A)*1
Temperature range	−9 °C to 40 °C
Detachable power cord	yes

Dimensions	
W x D x H	700 × 646 × 353 mm
Height with open lid	793 mm
Footprint	
> Base plate	700 × 591 mm
> Foot spacing	670 × 473 mm
Weight (w/o accessories)	89 kg
Shipping weight	115 kg

*1 With Rotor S-4-104.

Ordering information

Ordering information	
Description	Order no.
Centrifuge 5811 R, refrigerated	See URL below table
Rotor	
Rotor S-4-104	5820 740 000
Rotor A-4-81	5810 718 007
Rotor A-4-62	5810 709 008
Rotor S-4-72	5804 746 007
Rotor A-4-44	5804 709 004
Rotor A-2-DWP-AT	5820 710 004
Rotor A-2-DWP	5804 740 009
Rotor F-34-6-38	5804 727 002
Rotor FA-45-6-30	5820 715 006
Rotor FA-45-20-17	5820 765 003
Rotor FA-45-48-11	5820 760 001
Rotor F-45-30-11	5804 726 006
Rotor FA-45-30-11	5804 715 004
Rotor F-35-48-17	5820 765 000

For ordering information, please check our local website or contact your local sales representative.

www.eppendorf.link/centrifuge-5811R

For ordering information regarding centrifuge services, please check our local website or contact your local sales representative.

www.eppendorf.link/centrifuge-service

This product is available as an IVD/MD device in selected countries. For more information, please contact your local sales representative.

www.eppendorf.link/contact

Your local distributor: www.eppendorf.com/contact
Eppendorf SE · Barkhausenweg 1 · 22339 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.link/centrifuge-5811R

Microtainer® is a registered trademark of Becton, Dickinson and Company, USA.

Eppendorf®, the Eppendorf Brand Design, Eppendorf QuickLock® Pro, Eppendorf Tubes®, and FastTemp® are registered trademarks of Eppendorf SE, Germany.
All rights reserved, including graphics and images. Copyright © 2026 by Eppendorf SE.
Order No.: AA01 055 920/EN3/PDF/0826/SSO