

# Centrifuges and Rotors



We introduced our very first centrifuge in 1964 as an integral part of the Eppendorf Microliter System, and revolutionized life science research practices worldwide. To this day, the Eppendorf name remains synonymous with creative design, innovative technology and reliable performance that stand the test of time.

The Eppendorf approach to product development is about listening to our customers' needs, understanding daily laboratory routines and anticipating future trends. The result is a comprehensive line of centrifuges that fulfill the demands for a wide range of applications. Our goal is to provide you with a product solution that not only leaves you thoroughly satisfied but that is also comfortable and easy to use. That is why Eppendorf centrifuges are designed to go beyond speed and capacity to offer you unparalleled ergonomic operation and superior temperature management. With this sound foundation and our extensive experience, Eppendorf is proud to serve you as your expert partner in centrifugation.

## Our Centrifuge Portfolio – Your Centrifuge Solution

From your personal 12-place microcentrifuge to compact and super-versatile benchtop centrifuges to high-speed and ultracentrifuges, our portfolio offers comprehensive solutions for all your separation applications in the areas of molecular biology, biochemistry, cell biology and material science.

### Microcentrifuges



### General purpose centrifuges



### Multipurpose centrifuges



Whether you wish to spin just a few tubes at a time or you require extra versatility for volumes up to four liters or high-throughput of tubes and plates, the Eppendorf benchtop centrifuge portfolio offers solutions for your daily separation tasks.

Looking to process more than four liters per run? Do you need increased speeds up to 110,000 x g? In either case, you will find our high-speed floorstanding centrifuges are your best choice. For super-speed applications requiring up to 1,050,000 x g, our range of innovative and user-friendly ultracentrifuges provide the perfect solution.

### High-Speed centrifuges



### Ultracentrifuges



## Your challenges are multidimensional – so are our offerings

In your daily research work, you will encounter a variety of challenges. That's why we continuously work to understand your unique issues and provide you with tailored solutions to suit your needs, so you can spend more time focusing on your research. Our solutions go beyond the centrifuge itself to provide everything you need to ensure the best performance and best results every day.

### CENTRIFUGES

Our high-quality devices offer innovative features to optimize your experience and your results.

### SUSTAINABILITY

Sustainable production, energy-saving operation and an innovative cooling system are just some of the ways Eppendorf supports the environment.

### SERVICE

Enjoy peace-of-mind and maximize your uptime with your choice of Eppendorf Services.

### ROTORS & ADAPTERS

A great variety of accessories ensure application flexibility – for your separation tasks of today and tomorrow.

### CONSUMABLES

Protect your valuable samples by using only the best consumables tailored to your needs in format, size and purity grades.

### DIGITAL PRODUCTS

Get everything you need for a connected and paper-free lab of the future.



With Eppendorf at your side, you can be sure to have excellent equipment as well as a great team to support you. From our trusted sales representatives to our dedicated applications and technical support teams to our highly skilled service technicians – you will always find a helping hand when you need it.

Learn more about the Eppendorf centrifuge portfolio!

Explore the eshop and get an overview!

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



# Our Portfolio – Your Choice



Model	MiniSpin®/MiniSpin® plus	5418 R	5420
<b>Positioning</b>	Space-saving 12-place mini-centrifuge for quick spin downs even in the smallest workstation, non-refrigerated	Compact refrigerated 18-place microcentrifuge for temperature sensitive samples	Small footprint 24-place microcentrifuge for molecular biology routine applications, non-refrigerated
<b>Page(s)</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>Max. capacity</b>	12 × 1.5/2.0 mL	18 × 1.5/2.0 mL	24 × 1.5/2.0 mL
<b>Max. RCF</b>	12,100 × g/14,100 × g	16,873 × g	21,300 × g
<b>Max. speed</b>	13,400 rpm/14,500 rpm	14,000 rpm	15,060 rpm
<b>Rotors available</b>	2	1	2
<b>Temperature control range</b>		0 °C to +40 °C	
<b>Dimensions (W × D × H)</b>	22.5 × 23.0 × 13.0 cm / 8.86 × 9.06 × 5.12 in	30 × 46 × 25 cm / 11.7 × 18.23 × 9.8 in	24 × 35 × 22 cm / 9.4 × 13.8 × 8.7 in
<b>Weight w/o accessories</b>	3.7 kg / 8.16 lb/4.1 kg / 9 lb	22 kg / 48.5 lb	13 kg / 28.7 lb
<b>Max. power consumption</b>	70 W/85 W	320 W	290 W
<b>Noise level</b>	< 49 dB(A)/< 52 dB(A)	< 57 dB(A)	< 56 dB(A)
<b>Height (with open lid)</b>	25 cm / 9.8 in	52 cm / 20 in	44 cm / 17.3 in
<b>Display</b>	LCD	large LCD	large, brightly lit LCD
<b>Tube/plate/bottle capacity</b>			
1.5/2.0 mL Eppendorf Tubes®	12	18	24
Eppendorf Tubes® 5.0 mL	–	–	–
8-place PCR strips	2	–	4
15 mL conical tubes	–	–	–
25 mL conical tubes	–	–	–
50 mL conical tubes	–	–	–
13 mm round-bottom and blood collection tubes	–	–	–
16 mm round-bottom and blood collection tubes	–	–	–
17.5 mm round-bottom and blood collection tubes	–	–	–
PCR plates/MTP	–	–	–
Deepwell plates (DWP)	–	–	–

Learn more about the Eppendorf microcentrifuge portfolio!

Explore the eshop and get an overview!

[www.eppendorf.link/microcentrifuges](http://www.eppendorf.link/microcentrifuges)



## Centrifuges and Rotors

**5425 / 5425 R**

Whisper quiet 24-place standard microcentrifuge with outstanding feature set for broad range of applications, refrigerated for temperature-sensitive samples or non-refrigerated

**13**

10 × 5.0 mL

21,300 × g

15,060 rpm

6

-10 °C to +40 °C

24 × 39 × 24 cm / 9.5 × 15.4 × 9.5 in /

29 × 48 × 26 cm / 11.42 × 18.9 × 10.24 in

15.6 kg / 34.4 lb / 21.0 kg / 46.3 lb

280 W / 360 W

average of 45 dB(A) in the first 12 minutes and

&lt; 51 dB(A) thereafter with Rotor FA-24x2 /

&lt; 54 dB(A) for all other rotors

48 cm / 18.8 in / 50.8 cm / 20.0 in

large, brightly lit LCD

24

10

12

-

-

-

-

-

-

-

1 (divisible)

-

**5427 R**

High-throughput 48-place microcentrifuge, refrigerated (green cooling liquid (R290)) for temperature sensitive samples

**15**

48 × 1.5/2.0 mL

25,001 × g

16,220 rpm

9

-11 °C to 40 °C

31.9 × 54.0 × 25.4 cm / 12.6 × 21.3 × 10 in

30 kg / 66.1 lb

495 W

&lt; 55 dB(A) with rotor FA-45-48-11

56 cm / 21.9 in

large, brightly lit LCD

48

12

6

-

-

-

-

-

-

-

-

**5430 / 5430 R**

Crossover microcentrifuge with high versatility and 12 rotor options including rotor for 15/50 mL conical tubes, 30-place high-speed rotor and swing-bucket rotor for MTPs or DWPs, refrigerated for temperature sensitive samples or non-refrigerated

**17**

48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP

30,130 × g

17,500 rpm

12

-11 °C to 40 °C

34 × 42 × 25 cm / 11.2 × 16.3 × 9.8 in /

38 × 64 × 29 cm / 15 × 25.2 × 11.7 in

29 kg / 63.9 lb / 56 kg / 123.5 lb

475 W / 1,050 W

&lt; 58 dB(A) with Rotor F-45-30-11 /

&lt; 54 dB(A) with Rotor F-45-30-11

56 cm / 21.8 in / 63 cm / 24.8 in

large, brightly lit LCD

48

16

8

6

6

6

12

12

12

2

2

# Our Portfolio – Your Choice



Model	5702 / 5702 R / 5702 RH	5804 / 5804 R
<b>Positioning</b>	General purpose centrifuge with medium capacity for low speed cell culture applications, refrigerated for temperature sensitive samples, active heating and cooling to improve cell viability or non-refrigerated	High speed multipurpose centrifuge with medium capacity, refrigerated for temperature sensitive samples or non-refrigerated
<b>Page(s)</b>	20	24
<b>Max. capacity</b>	4 × 100 mL	4 × 250 mL/2 × 5 MTP
<b>Max. RCF</b>	3,000 × g	20,913 × g
<b>Max. speed</b>	4,400 rpm	14,000 rpm
<b>Temperature control range</b>	-9 °C to 40 °C / -9 °C to 42 °C	-9 °C to 40 °C
<b>Dimensions (W × D × H)</b>	32 × 40 × 24 cm / 12.6 × 15.6 × 9.6 in / 38 × 58 × 27 cm / 15 × 22.9 × 10.6 in / 38 × 58 × 27 cm / 15 × 22.9 × 10.6 in	46.6 × 55.0 × 33.7 cm / 18.4 × 21.7 × 13.3 in / 63.4 × 55.0 × 34.2 cm / 25.0 × 21.7 × 13.5 in
<b>Footprint (dimensions w/o front panel, WxD)</b>	32 × 40 cm / 12.6 × 15.6 in / 38 × 58 cm / 15 × 22.9 in	47 × 50 cm / 18.4 × 21.7 in / 64 × 50 cm / 25 × 21.7 in
<b>Weight w/o accessories</b>	19 kg / 41.9 lb / 35 kg / 77.1 lb / 35 kg / 77.1 lb	55 kg / 121.3 lb / 80 kg / 176.4 lb
<b>Max. power consumption</b>	200 W / 380 W / 380 W	900 W / 1,650 W
<b>Noise level</b>	< 52 dB(A) with Rotor A-4-38 / <46 dB(A) with Rotor A-4-38 / <46 dB(A) with Rotor A-4-38	< 62 dB(A) / < 58 dB(A)
<b>Height (with open lid)</b>	53 cm / 20.7 in / 60 cm / 23.4 in / 60 cm / 23.4 in	74 cm / 29 in
<b>Display</b>	LCD	large, brightly lit LCD
<b>Tube/plate/bottle capacity</b>		
1.5/2.0 mL Eppendorf Tubes®	24	104
Eppendorf Tubes® 5.0 mL	4	32
8-place PCR strips	–	6
15 mL conical tubes	20	40
25 mL conical tubes	4	16
50 mL conical tubes	4	16
13 mm round-bottom and blood collection tubes	40	56
16 mm round-bottom and blood collection tubes	16	52
17.5 mm round-bottom and blood collection tubes	24	48
180 – 250 mL bottles (flat)	–	4
500 mL Corning®	–	–
750 mL bottles	–	–
1,000 mL Eppendorf bottles	–	–
1,000 mL standard bottles	–	–
PCR plates/MTP	–	10
Deepwell plates (DWP)	–	4

Learn more about the Eppendorf multipurpose centrifuge portfolio!

Explore the eshop and get an overview!

[www.eppendorf.link/multipurpose-centrifuge](http://www.eppendorf.link/multipurpose-centrifuge)



## Centrifuges and Rotors

**5810 / 5810 R**

Compact multipurpose centrifuge with medium capacity, refrigerated for temperature sensitive samples or non-refrigerated

**24**

4 x 750 mL/4 x 4 MTP

20,913 x g

14,000 rpm

-9 °C to 40 °C

53.5 x 60.8 x 34.5 cm / 21.1 x 23.9 x 13.6 in /  
70.0 x 60.8 x 34.5 cm / 27.6 x 23.9 x 13.6 in

54 x 54 cm / 21.1 x 21.1 in /

70 x 54 cm / 27.6 x 21.1 in

68 kg / 149.9 lb / 99 kg / 218.3 lb

900 W / 1,650 W

<70 dB(A) / <56 dB(A)

80 cm / 31.5 in

large, brightly lit LCD

200

56

6

56

32

28

100

80

80

4

4

4

-

-

16

4

**5910 Ri**

Super versatile multipurpose centrifuge with an intuitive touch screen user interface and high capacity for a broad range of consumables, refrigerated for temperature sensitive samples

**44**

68 x 15 mL/36 x 50 mL/4 x 1000 mL/ 4 x 5 MTP

22,132 x g

14,000 rpm

-11 °C to 40 °C

72 x 68 x 37 cm / 28.3 x 25.9 x 14.5 in

72 x 62 cm / 28.3 x 24.4 in

109 kg / 240.3 lb

1,650 W

<59 dB(A) with Rotor FA-6x50

85 cm / 33.5 in

VisioNize® touch interface

200

68

-

68

36

36

120

104

84

6

4

4

4

-

-

20

8

**5920 R**

High-throughput multipurpose centrifuge with very high capacity, refrigerated for temperature sensitive samples

**44**

4 x 1,000 mL/4 x 7 MTP

21,194 x g

13,700 rpm

-11 °C to 40 °C

74 x 71 x 40 cm / 29.2 x 27.8 x 15.9 in

74 x 67 cm / 29.2 x 26.4 in

139 kg / 286.6 lb

1,650 W

<55 dB(A)

94 cm / 37 in

large, brightly lit LCD

368

108

-

108

52

52

196

148

80

8

4

4

-

4

28

8

# Our Portfolio – Your Choice



Model	CR22N	CR30NX
<b>Description</b>	High-speed floorstanding centrifuge with high capacity, ideal for harvesting of biomass in up to 6 L per run. Refrigerated for temperature sensitive samples.	2-in-1 high-speed floorstanding centrifuge with vacuum function, suitable for applications with super-speed requirements up to 110,000 x g and large volumes. Refrigerated for temperature sensitive samples.
<b>Page(s)</b>	<b>76</b>	<b>80</b>
<b>Capacity<sup>1)</sup></b>	up to 4 x 1.5 Liter	up to 4 x 1.5 Liter and continuous flow (>10 L)
<b>Max. RCF</b>	58,700 x g	110,000 x g
<b>Max. speed</b>	22,000 rpm	30,000 rpm
<b>Temperature control range</b>	-20 to 40°C	-20 to 40°C
<b>Dimensions (WxDxH)</b>	70 x 76 x 91.5 cm/ 27.5 x 30 x 36 in	70.8 x 89.2 x 86.6 cm/ 27.8 x 35.1 x 34 in
<b>Height (with open lid)</b>	151 cm/59.4 in	150 cm/59 in
<b>Footprint (WxD)</b>	70 x 76 cm/ 27.5 x 30 in	70.8 x 89.2 cm/ 27.8 x 35.1 in
<b>Weight (w/o accessories)</b>	260 kg/ 573.2 lbs	310 kg/ 683.4 lbs
<b>Data export</b>	Yes	Yes
<b>Noise level (max.)</b>	≤ 64 dB(A)	≤ 56 dB(A)
<b>Display</b>	5.7 inch color touch-sensitive LCD panel	6.5 inch color touch-sensitive LCD panel
<b>Number of programs</b>	33	1,000
<b>Tracking of rotor usage</b>	By serial number	By serial number
<b>User management</b>	yes	yes
<b>Vacuum function</b>	no	yes

<sup>1)</sup> Refers to the nominal volume. The maximum filling volume may depend on the application, rotor and speed. Please consult with your sales representative for further details.



**CP100NX/ CP90NX/ CP80NX**

Ultracentrifuge with a broad rotor portfolio. Three versions with shared functionality but different speed offerings are available to match your personal speed requirements.

**84**

up to 6 x 230 mL

803,000 x g/ 700,000 x g/ 615,000 x g

100,000 rpm/ 90,000 rpm/ 80,000 rpm

0 to 40°C

79 x 69 x 89 cm/ 31.1 x 27.1 x 35 in

88 cm/35 in

79 x 89 cm/ 31.1 x 35.0 in

390 kg/ 860 lbs

Yes

≤ 51 dB(A)

6.5 inch color touch-sensitive LCD panel

1,000

Rotor life management

yes

yes

**CS150FNX**

Floorstanding micro-ultracentrifuge with speeds of up to 1,050,000 x g in a very compact design.

**86**

up to 6 x 30 mL

1,050,000 x g

150,000 rpm

0 to 40°C

44 x 52 x 91 cm/ 17.3 x 20.5 x 35.8 in

91 cm/35.8 in

44 x 52 cm/ 17.3 x 20.5 in

105 kg/ 231 lbs

Yes

≤ 45 dB(A)

6.5 inch color touch-sensitive LCD panel

20

By serial number

yes

yes

**CS150NX**

Benchtop micro-ultracentrifuge with speeds of up to 1,050,000 x g, offering a flexible placement within the lab with standard electricity requirements and its compact design.

**86**

up to 6 x 30 mL

1,050,000 x g

150,000 rpm

0 to 40°C

59 x 58.2 x 40.8 cm/ 23.2 x 22.9 x 16 in

40.8 cm/16 in

59 x 58.2 cm/ 23.2 x 22.9 lbs

97 kg/ 214 lbs

Yes

≤ 45 dB(A)

6.5 inch color touch-sensitive LCD panel

20

By serial number

yes

yes





## MiniSpin®/MiniSpin® plus



### Description

MiniSpin® and MiniSpin® plus are entry-level mini centrifuges that are powerful, easy-to-use and small enough to allow individual workstations to be equipped with a portable centrifuge.

### Product features

- > Rotor capacity: 12 × 1.5/2.0 mL vessels, 2 × 8-tube PCR strips
- > Max. speed: 14,100 × g (14,500 rpm)
- > Extremely compact footprint

### Special features for MiniSpin plus

- > Automatic rpm/rcf conversion
- > Extended time to 99 min or continuous centrifugation



[www.eppendorf.link/minispin](http://www.eppendorf.link/minispin)



**Rotor F-45-12-11**

> for 12 × 1.5/2.0 mL tubes



**Rotor F-55-16-5 PCR**

> for 2 × PCR strips

### Ordering information

Description	Order no.
Centrifuge MiniSpin®, keypad, non-refrigerated, with Rotor F-45-12-11, 230 V/50 – 60 Hz (EU)	5452000010
Centrifuge MiniSpin® plus, keypad, non-refrigerated, with Rotor F-45-12-11, 230 V/50 – 60 Hz (EU)	5453000015
Rotor F-45-12-11, angle 45°, 12 places, max. tube diameter 11 mm, incl. rotor lid and rotor nut, MiniSpin®/MiniSpin® plus	5452720008
Rotor F-55-16-5 PCR, angle 55°, 16 places, max. tube diameter 5 mm, incl. rotor lid (aluminum), MiniSpin®/MiniSpin® plus	5452727007
Adapter, for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425715005
Adapter, for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425717008
Adapter, for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425716001

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.



# Centrifuge 5418 R



## Description

Centrifuge 5418 R is an 18-place microcentrifuge that is specifically designed for low to medium capacity in 1.5/2.0 mL tubes and Microtainer®. The speed of up to 16,873 × g allows for standard molecular biology applications.

## Product features

- > Max. rotor capacity: 18 × 1.5/2.0 mL vessels
- > Max. speed: 16,873 × g (14,000 rpm)
- > Small footprint and low access height of 23 cm



## Adapter for BD Microtainer® and 0.5 mL tubes

- > The adapter can be used with every Eppendorf rotor for 1.5/2.0 mL tubes



[www.eppendorf.link/centrifuge5418R](http://www.eppendorf.link/centrifuge5418R)



## Rotor FA-45-18-11

- > for 18 × 1.5/2.0 mL tubes, comes standard with unique Eppendorf QuickLock® aerosol-tight lid for fast and reliable locking



## Adapter for 0.2 mL PCR Tubes

- > Ideal to spin down PCR Tubes after reaction setup. Adapter fits in any Eppendorf 1.5/2.0 mL rotor

## Ordering information

Description	Order no.
<b>Centrifuge 5418 R</b> , rotary knobs, refrigerated, with Rotor FA-45-18-11 and rotor lid, 230 V/50 – 60 Hz (EU)	5401000010
<b>Rotor FA-45-18-11</b> , aerosol-tight, 45° angle, 18 places, max. tube Ø 11 mm, incl. rotor lid (aluminum)	5418707005
<b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425715005
<b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425716001
<b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425717008

✓ Ordering information for other voltage options can be found in the “Voltage Version” chapter.





# Centrifuge 5420



## Description

Centrifuge 5420 supports your nucleic acid purification and gel-extraction workflows. This centrifuge offers 24-place capacity in an aerosol-tight rotor and speeds up to  $21,300 \times g$  in a small footprint.

## Product features

- > Standard rotor for up to 24 x 1.5 and 2.0 mL tubes
- > Rotor option for up to 32 x 0.2 mL PCR tubes or 4 x 8-place PCR strips
- > Adapters for 0.2, 0.4 and 0.5 mL tubes as well as 0.6 mL BD Microtainer®



[www.eppendorf.link/centrifuge5420](http://www.eppendorf.link/centrifuge5420)



## Rotor FA-24x2

- > Max. speed:  $21,300 \times g$  (15,060 rpm)
- > Max. capacity: 24 x 1.5/2.0 mL tubes
- > Aerosol-tight



## Rotor F-32x0.2-PCR

- > Max. speed:  $18,257 \times g$  (15,060 rpm)
- > Max capacity: 4 x PCR strips or 32 x PCR tubes (0.2 mL)

## Ordering information

Description	Order no.
Centrifuge 5420, keypad, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5420000318
Centrifuge 5420, keypad, non-refrigerated, with aerosol-tight Rotor FA-24x2, 230 V/50 – 60 Hz (EU)	5420000113
Rotor F-32x0.2-PCR, incl. rotor lid, for 32 x 0.2 mL PCR tubes or 4 x 8 PCR tube strips, for 5420	5495404007
Rotor FA-24x2, aerosol-tight, incl. rotor lid, aerosol-tight, for 24 x 1.5/2.0 mL tubes, for 5420	5495400001
Adapter, for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425715005
Adapter, for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425716001
Adapter, for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425717008

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.



# Centrifuge 5425/5425 R



[www.eppendorf.link/centrifuge5425-5425R](http://www.eppendorf.link/centrifuge5425-5425R)

## Description

Eppendorf microcentrifuges 5425 and 5425 R are true laboratory standards. These whisper quiet 24-place microcentrifuges offer an outstanding set of features for a broad range of molecular and cell biology applications in Eppendorf and PCR tubes from 0.2 to 5 mL. The refrigerated Centrifuge 5425 R provides precise temperature control for processing temperature-sensitive samples with its advanced cooling system.

## Product features

- > Aerosol-tight Eppendorf QuickLock® lids for simple and safe handling
- > Outstanding software features (e.g. adjustable acceleration and braking ramps, 3 program buttons (only Centrifuge 5425), short function without continuous pressing of the key)
- > Extended rotor program (e.g. 5.0 mL rotor, swing-bucket rotor for PCR strips)

## Main Features



### Enhanced convenience

- > One push short-spin key – no need to hold key all the while



### Improved ergonomics

- > Eppendorf QuickLock® rotors for ergonomic lid locking
- > Closes with only a 1/4 turn and takes repetitive stress of your wrist



### Increased versatility

- > Swing-bucket rotor for divisible plates to speed up your PCR/qPCR setup
- > 10-place 5.0 mL rotor for screw cap and snap lid tubes

## Ordering information

Description	Order no.
Centrifuge 5425, keypad, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5405000310
Centrifuge 5425, rotary knobs, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5405000719
Centrifuge 5425, keypad, non-refrigerated, with Rotor FA-24x2, 230 V/50 – 60 Hz (EU)	5405000115
Centrifuge 5425, rotary knobs, non-refrigerated, with Rotor FA-24x2, 230 V/50 – 60 Hz (EU)	5405000514
Centrifuge 5425, rotary knobs, non-refrigerated, Molecular Biology Solution, with Rotor FA-18x2-Kit, 230 V/50 – 60 Hz (EU)	5405000174
Centrifuge 5425 R, keypad, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5406000313
Centrifuge 5425 R, rotary knobs, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5406000712
Centrifuge 5425 R, keypad, refrigerated, with Rotor FA-24x2, 230 V/50 – 60 Hz (EU)	5406000119
Centrifuge 5425 R, rotary knobs, refrigerated, with Rotor FA-24x2, 230 V/50 – 60 Hz (EU)	5406000518

✦ Ordering information for other voltage options can be found in the “Voltage Version” chapter.



Your local distributor: [www.eppendorf.link/contact](http://www.eppendorf.link/contact)  
Eppendorf SE · Barkhausenweg 1 · 22339 Hamburg · Germany · [eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com) · [www.eppendorf.link/eshop](http://www.eppendorf.link/eshop)



## Rotors for Centrifuge 5425/5425R



### Rotors FA-24x2

- > Max. speed: 21,300 × g (15,060 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid



### Rotor FA-24x2-PTFE

- > Max. speed: 21,300 × g (15,060 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid
- > PTFE coating for increased chemical resistance



### Rotor FA-10x5

- > Max. speed: 21,300 × g (15,060 rpm)
- > Max capacity: 10 × Eppendorf Tubes® 5.0 mL
- > Aerosol-tight with Eppendorf QuickLock® lid



### Rotor FA-18x2 Kit

- > Max. speed: 18,565 × g (15,060 rpm)
- > Rotor with higher edge for safe centrifugation of up to 18 spin columns
- > Aerosol-tight with Eppendorf QuickLock® lid



### Rotor F-32x0.2-PCR

- > Max. speed: 18,134 × g (15,060 rpm)
- > for 4 × PCR strips or 32 × PCR tubes (0.2 mL)



### Rotor 96x0.2-PCR

- > Max. speed: 3,217 × g (6,000 rpm)
- > Unique swing bucket rotor for 12 × 8 PCR strips 0.1/0.2 mL or 4 × 1/4 twin.tec® PCR plate 96, unskirted divisible or 96 × PCR tubes 0.2 mL

### Ordering information

Description	Order no.
Rotor FA-24x2, aerosol-tight, incl. rotor lid, for 24 × 1.5/2.0 mL tubes	5495500006
Rotor FA-24x2-PTFE, aerosol-tight, incl. rotor lid, PTFE coated, for 24 × 1.5/2.0 mL tubes	5495503005
Rotor FA-10x5, aerosol-tight, incl. rotor lid, for 10 × 5.0 mL tubes (snap and screw cap)	5495505008
Rotor FA-18x2-Kit, aerosol-tight, incl. rotor lid, for 18 × 1.5/2.0 mL tubes or spin columns	5495508007
Rotor F-32x0.2-PCR, incl. rotor lid, for 32 × 0.2 mL PCR tubes or 4 × 8 PCR strips	5495510001
Rotor S-96x0.2-PCR, for 96 × 0.2 mL PCR tubes or 12 × 8 PCR strips, incl. buckets	5495512004
Adapter, for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425715005
Adapter, for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425716001
Adapter, for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, 4 pcs.	5820768002
Adapter, for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.	5820769009
Adapter, for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.	5820770007
Adapter, for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425717008



# Centrifuge 5427 R

New



## Description

Eppendorf Centrifuge 5427 R is a high-speed, refrigerated microcentrifuge for high-throughput research. It doubles your tube capacity compared to a standard 24-place microcentrifuge thanks to its 48-place double-row rotor, while contributing to a more sustainable lab environment with its natural refrigerant.

## Product features

- > Cooled with natural refrigerant (R290) to protect your samples - and the planet
- > Rotor capacity: 48 × 1.5/2.0 mL, 12 × 5.0 mL; Eppendorf QuickLock® rotor allows for fast and ergonomic lid locking
- > Max. speed: 25,001 × g (16,220 rpm)



[www.eppendorf.link/centrifuge5427R](http://www.eppendorf.link/centrifuge5427R)

## Ordering information

### Description

Centrifuge 5427 R, rotary knobs, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)

Centrifuge 5427 R, rotary knobs, refrigerated, with Rotor FA-45-30-11, 230 V/50 – 60 Hz (EU)

Centrifuge 5427 R, rotary knobs, refrigerated, with Rotor FA-45-48-11, 230 V/50 – 60 Hz (EU)

### Order no.

5429000010

5429000310

5429000210

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.



### Rotor S-24-11-AT

- > Max. speed: 16,049 × g (12,700 rpm)
- > Swing-bucket rotor for 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid



### Rotor FA-45-12-17

- > Max. speed: 20,598 × g (14,000 rpm)
- > Max capacity: 12 × Eppendorf Tubes® 5.0 mL
- > Aerosol-tight with Eppendorf QuickLock® lid



### Rotor F-45-48-5-PCR

- > Max. speed: 11,710 × g (10,500 rpm)
- > PCR strip rotor for up to 48 × 0.2 mL PCR tubes

Rotor options continued on next page.





## Rotors for Centrifuge 5427 R



### Rotor F-45-48-11

- > Max. speed: 18,213 × g (12,700 rpm)
- > Max. capacity: 48 × 1.5/2.0 mL tubes



### Rotor FA-45-48-11

- > Max. speed: 18,213 × g (12,700 rpm)
- > Max. capacity: 48 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid



### Rotor FA-45-30-11

- > Max. speed: 20,817 × g (14,000 rpm)
- > Max. capacity: 30 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid



### Rotor F-45-30-11

- > Max. speed: 20,817 × g (14,000 rpm)
- > Max. capacity: 30 × 1.5/2.0 mL tubes



### Rotor FA-45-24-11

- > Max. speed: 25,001 × g (16,220 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid



### Rotor FA-45-24-11-Kit

- > Max. speed: 19,090 × g (13,200 rpm)
- > Rotor with higher rim for safe centrifugation of up to 24 spin columns
- > Aerosol-tight with Eppendorf QuickLock® lid

### Ordering information

Description	Order no.
Rotor FA-45-48-11, aerosol-tight, incl. rotor lid, for 5427R	5409710001
Rotor F-45-48-11, incl. rotor lid, aluminum	5409712004
Rotor FA-45-30-11, aerosol-tight, incl. rotor lid, aluminum	5409706004
Rotor F-45-30-11, incl. rotor lid, aluminum	5409708007
Rotor FA-45-24-11, aerosol-tight, incl. rotor lid, aluminum	5409702009
Rotor FA-45-24-11-Kit, aerosol-tight, incl. rotor lid, aluminum	5409704001
Rotor S-24-11-AT, aerosol-tight, stainless steel	5409715003
Rotor F-45-48-5-PCR, aluminum	5409714007
Rotor FA-45-12-17, aerosol-tight, incl. rotor lid, aluminum	5409700006
Adapter, for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425715005
Adapter, for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425716001
Adapter, for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, 4 pcs.	5820768002
Adapter, for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.	5820769009
Adapter, for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.	5820770007
Adapter, for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425717008



## Centrifuge 5430/5430 R



### Description

Combine the best of both worlds with Centrifuge 5430 and 5430 R. These high-speed centrifuges have the small footprint of a microcentrifuge and the versatility of a multipurpose centrifuge.

### Product features

- > Max. rotor capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP
- > Max. speed: 30,130 × g (17,500 rpm)
- > Remarkable versatility with 12 different rotors



[www.eppendorf.link/centrifuge5430](http://www.eppendorf.link/centrifuge5430)

### Ordering information

Description	Order no.
Centrifuge 5430, keypad, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5427000015
Centrifuge 5430, rotary knobs, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	54270000610
Centrifuge 5430, keypad, non-refrigerated, with Rotor FA-45-30-11 incl. rotor lid, 230 V/50 – 60 Hz (EU)	5427000210
Centrifuge 5430, rotary knobs, non-refrigerated, with Rotor FA-45-30-11 incl. rotor lid, 230 V/50 – 60 Hz (EU)	5427000415
Centrifuge 5430, rotary knobs, non-refrigerated, Low-Throughput Plate Solution, with Rotor A-2-MTP, 230 V/50 – 60 Hz (EU)	5427000178
Centrifuge 5430 R, keypad, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5428000205
Centrifuge 5430 R, rotary knobs, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5428000610
Centrifuge 5430 R, keypad, refrigerated, with Rotor FA-45-30-11 incl. rotor lid, 230 V/50 – 60 Hz (EU)	5428000010
Centrifuge 5430 R, rotary knobs, refrigerated, with Rotor FA-45-30-11 incl. rotor lid, 230 V/50 – 60 Hz (EU)	5428000410

✓ Ordering information for other voltage options can be found in the “Voltage Version” chapter.

## Rotors for Centrifuge 5430/5430 R



### Rotor FA-45-48-11

- > Max. speed: 18,210 × g (12,700 rpm)
- > Max. capacity: 48 × 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples



### Rotor F-45-48-11

- > Max. speed: 18,210 × g (12,700 rpm)
- > Max. capacity: 48 × 1.5/2.0 mL tubes



### Rotor S-24-11-AT

- > Max. speed: 16,049 × g (12,700 rpm)
- > Swing-bucket rotor for 24 × 1.5/2.0 mL tubes
- > Aerosol-tight with Eppendorf QuickLock® lid







## Rotors for Centrifuge 5430/5430 R



### Rotor FA-45-16-17

- > Max. speed: 21,191 × g (14,200 rpm)
- > Max. capacity: 16 × Eppendorf Tubes® 5.0 mL<sup>1)</sup>
- > Aerosol-tight for safe centrifugation of hazardous samples

<sup>1)</sup> Snap cap - reduced capacity for 5 mL screw cap tubes



### Rotor FA-45-30-11

- > Max. speed: 25,000 × g (15,350 rpm)
- > Max. capacity: 30 × 1.5/2.0 mL tubes
- > Aerosol-tight for safe centrifugation of hazardous samples



### Rotor FA-45-24-11-Kit

- > Max. speed: 19,090 × g (13,200 rpm)
- > Rotor with higher rim for safe centrifugation of up to 24 spin columns
- > Aerosol-tight for safe centrifugation of hazardous samples



### Rotor F-45-30-11

- > Max. speed: 20,817 × g (14,000 rpm)
- > Max. capacity: 30 × 1.5/2.0 mL tubes
- > PTFE coating for increased chemical resistance



### Rotor FA-45-24-11-HS

- > Max. speed: 30,130 × g (17,500 rpm)
- > Max. capacity: 24 × 1.5/2.0 mL tubes
- > Extremely fast separation results
- > Aerosol-tight for safe centrifugation of hazardous samples
- > PTFE coating for increased chemical resistance



### Rotor F-35-6-30

- > Max. speed: 7,745 × g (7,830 rpm)
- > Rotor for 6 × 15/50 mL conical or 12 × Vacutainer® tubes



### Rotor A-2-MTP

- > Max. speed: 2,204 × g (4,680 rpm)
- > 2-place swing-bucket rotor for MTP, PCR and Deepwell Plates (max. 0.5 mL)
- > Windshield design for quiet operation



### Rotor F-45-64-5-PCR

- > Max. speed: 13,543 × g (11,800 rpm)
- > PCR strip rotor for up to 64 × 0.2 mL PCR tubes



### Rotor F-45-18-17-Cryo

- > Max. speed: 8,324 × g (8,900 rpm)
- > 18-place rotor for Cryo tubes



## Ordering information

Description	Order no.
<b>Rotor FA-45-16-17</b> , aerosol-tight, incl. rotor lid, for 16 × Eppendorf Tubes® 5.0 mL	5427750002
<b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425715005
<b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425716001
<b>Rotor FA-45-48-11</b> , aerosol-tight, incl. rotor lid, for 5430/5430R	5427754008
<b>Rotor F-45-48-11</b> , incl. rotor lid	5427755004
<b>Rotor S-24-11-AT</b> , aerosol-tight, incl. rotor lid, stainless steel	5427757007
<b>Rotor FA-45-30-11</b> , aerosol-tight, incl. rotor lid, for 5430/5430R	5427753001
<b>Rotor FA-45-24-11-Kit</b> , aerosol-tight, incl. rotor lid	5427752005
<b>Rotor F-45-30-11</b> , incl. rotor lid, PTFE coated	5427712003
<b>Rotor FA-45-24-11-HS</b> , aerosol-tight, incl. rotor lid, PTFE coated	5427710000
<b>Rotor F-35-6-30</b> , incl. rotor lid, with 6 adapters each for 15 mL/50 mL conical tubes	5427716009
<b>Rotor A-2-MTP</b> , incl. wind shield and rotor lid, with 2 buckets	5427700005
<b>Rotor F-45-64-5-PCR</b> , incl. rotor lid and adapters	5427714006
<b>Rotor F-45-18-17-Cryo</b> , incl. rotor lid and cryovial adapters	5427705007
<b>Adapter</b> , for 1 cryo tubes (max. Ø 13 mm) or sealable centrifugation tubes (Ø 12.2 mm), max. length 50 mm, for Rotor F-45-18-17-Cryo, 6 pcs.	5702752002
<b>Adapter</b> , for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, 4 pcs.	5820768002
<b>Adapter</b> , for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.	5820769009
<b>Adapter</b> , for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.	5820770007
<b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425717008
<b>Adapter</b> , for 1 HPLC vessel 1.5 mL, for Rotor F-45-18-17-Cryo, 18 pcs.	5427708006

## Adapter options for Rotor F-35-6-30

Adapter	Rotor capacity <sup>3)</sup>	Max. tube dimensions Ø x L	Max. RCF	For bore hole	Order no. <sup>4)</sup>
13 mm round	12	13 × 65 – 89 mm	6,443 × g	small	5427740007
			6,100 × g	large	5427742000
13 mm round	12	13 × 90 – 110 mm	7,471 × g	small	5427741003
			7,129 × g	large	5427743006
16 mm round	12	16 × 75 – 105 mm	7,005 × g	small	5427732004
			7,005 × g	large	5427734007
17 mm round	12	17 × 90 – 125 mm	7,745 × g	small	5427735003
			7,403 × g	large	5427738002
Eppendorf Tubes® 5.0 mL	12	17.5 × 80 mm	6,237 × g	small	5427746005
			7,129 × g	large	5427747001
15 mL conical	6	17.5 × 100 – 125 mm	7,540 × g	small	5427726004
30 mL round	6	26 × 92 – 112 mm	7,087 × g	large	5427736000
50 mL round	6	29 × 95 – 125 mm	7,581 × g	large	5427737006
50 mL conical	6 <sup>1) 2)</sup>	29.5 × 100 – 125 mm	7,197 × g	large	5427727000
Centriprep®	6	29.5 × 100 – 125 mm	7,567 × g	large	5427723005

<sup>1)</sup> Three sets of 2 included with Rotor F-35-6-30. <sup>2)</sup> Adapter accommodates skirted 50 mL conical tubes. <sup>3)</sup> Please perform a manual test to determine the actual loading capacity. <sup>4)</sup> Set of 2





# Centrifuge 5702/5702 R/5702 RH




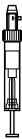
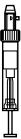




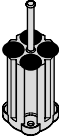
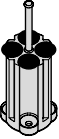
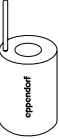


[www.eppendorf.link/centrifuge5702](http://www.eppendorf.link/centrifuge5702)

## Ordering information

Description	Order no.
<b>Centrifuge 5702</b> , rotary knobs, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5702000010
<b>Centrifuge 5702</b> , rotary knobs, non-refrigerated, with Rotor A-4-38 incl. adapters for 15/50 mL conical tubes, 2 sets of 2 adapters, 230 V/50 – 60 Hz (EU)	5702000320
<b>Centrifuge 5702 R</b> , rotary knobs, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5703000010
<b>Centrifuge 5702 R</b> , rotary knobs, refrigerated, with Rotor A-4-38 incl. adapters for 13/16 mm blood collection tubes, 2 sets of 2 adapters, 230 V/50 – 60 Hz (EU)	5703000320
<b>Centrifuge 5702 R</b> , rotary knobs, refrigerated, with Rotor A-4-38 incl. adapters for 15/50 mL conical tubes, 2 sets of 2 adapters, 230 V/50 – 60 Hz (EU)	5703000425
<b>Centrifuge 5702 RH</b> , rotary knobs, refrigerated/heated, without rotor, 230 V/50 – 60 Hz (EU)	5704000010
<b>Centrifuge 5702</b> , rotary knobs, non-refrigerated, with Rotor A-4-38 incl. adapters for round-bottom tubes 4 – 10 mL and adapters for round-bottom tubes 2.6 – 7 mL, 2 sets of 2 adapters, 230 V/50 – 60 Hz (EU)	5702000515

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.

						
<b>Adapters for Rotor A-4-38 with round buckets</b>						
<b>Tube Volume</b>	1.5 – 2.0 mL	1 – 1.4 mL	2 – 7 mL	2.6 – 7 mL	4 – 10 mL	Eppendorf Tubes® 5.0 mL
<b>Max. tube diameter</b>	11 mm	8.5 mm	12.5 mm	13.5 mm	16 mm	17 mm
<b>Max. vessel height</b>	43 mm	100 mm	100 mm	100 mm	100 mm	60 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	43 mm	100 mm	100 mm	100 mm	100 mm	60 mm
<b>Adapter</b>						
<b>Number of vessels per adapter/rotor</b>	4/16	5/20	5/20	4/16	4/16	1/4
<b>Bottom shape</b>	round	flat	flat	flat	flat	flat
<b>Centrifugation radius</b>	134 mm	132 mm	132 mm	132 mm	132 mm	136 mm
<b>Max. RCF</b>	2,900 × g	2,850 × g	2,850 × g	2,850 × g	2,850 × g	2,943 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5702745006	5702736007	5702737003	5702719005	5702735000	5702733008

<sup>1)</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

<sup>2)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>3)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.



## Description

Are you looking to improve your work environment? The 5702 family of low-speed centrifuges are quiet in operation, compact in design and provide six different rotor options to accommodate any type of tube and requirement for low to mid-throughput applications in immunology research and cell culture.



### Rotor A-4-38 with round buckets

- > Maximum speed: 3,000 × g (4,400 rpm)
- > Standard rotor for centrifugation of blood collection tubes or 15/50 mL conical tubes
- > Round buckets for vessels with 1.5 – 100 mL

## Ordering information

Description	Order no.
<b>Rotor A-4-38 with round buckets</b> , 8 positions, max. Ø 38 mm, incl. 4 round buckets 100 mL	5702720003
<b>16 x 125 mm bucket</b> , for 16 x 125 mm round bottom tubes, non aerosol-tight, for rotor A-4-38, 4 pcs.	5702764000
<b>Rotor A-4-38</b> , 8 positions, max. Ø 38 mm, without buckets	5702740004
<b>Round bucket 100 mL</b> , for Rotor A-4-38, 4 pcs.	5702722006
<b>Caps for 100 mL round buckets</b> , aerosol-tight, 2 pcs.	5702721000

9 – 15 mL	15 mL conical	15 mL conical	25 mL	25 mL screw cap <sup>2)</sup>	25 mL snap cap <sup>3)</sup>	50 mL screw cap	85/100 mL
17.5 mm	17.2 mm	17.2 mm	39 mm	30 mm	30 mm	30 mm	38 mm
100 mm	121 mm	121 mm		78.5 mm	83 mm	115 mm	106 mm
100 mm	120 mm	–		78.5 mm	83 mm	115 mm	106 mm
4/16	1/4	2/8	1/4	1/4	1/4	1/4	1/4
round	conical	conical	conical		conical		round
130 mm	137 mm	137 mm		97 mm	107 mm	135 mm	135 mm
2,800 × g	3,000 × g	3,000 × g		2,100 × g	2,316 × g	2,900 × g	2,900 × g
2 pcs.	2 pcs.	2 pcs.	2 pcs.		2 pcs.		2 pcs.
5702724009	5702732001	5702723002	5702717002		5702734004		5702718009









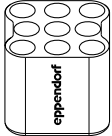



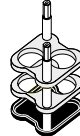



## Rotors for Centrifuge 5702/5702 R/5702 RH



### Rotor A-4-38 with rectangular buckets

- > Maximum speed: 2,750 × g (4,400 rpm)
- > Rectangular buckets for vessels with 5 – 25 mL
- > Autoclavable rotor-cross and buckets

						
<b>Adapters for Rotor A-4-38 with rectangular buckets</b>						
<b>Tube Volume</b>	round-bottom tubes	5 – 7 mL	9 mL	15 mL	25 mL	20 mL
<b>Max. tube diameter</b>	12 mm	13 mm	14.5 mm	17.5 mm	25 mm	22 mm
<b>Max. vessel height</b>	75 mm	100 mm	100 mm	100 mm	100 mm	100 mm
<b>Adapter</b>						
<b>Number of vessels per adapter/rotor</b>	9/36	10/40	8/32	6/24	2/8	4/16
<b>Bottom shape</b>	round	flat	flat	flat	flat	flat
<b>Centrifugation radius</b>	119 mm	127 mm	127 mm	127 mm	127 mm	127 mm
<b>Max. RCF</b>	2,577 × g	2,750 × g	2,750 × g	2,750 × g	2,750 × g	2,750 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5702763004	5702710008	5702711004	5702712000	5702716006	5702713007

### Ordering information

Description	Order no.
Rotor A-4-38, 8 positions, max. Ø 38 mm, without buckets	5702740004
Rectangular bucket 90 mL, for Rotor A-4-38, 4 pcs.	5702709000

**Rotor A-8-17**

- > Maximum speed: 2,800 × g (4,400 rpm)
- > Low capacity rotor for centrifugation of 15 mL conical tubes or 15 mL glass tubes<sup>1)</sup>
- > Adapters for 15 mL conical tubes and rubber mat inserts for glass tubes optionally available

<sup>1)</sup> Max. vessel height: 120 mm

**Rotor F-35-30-17**

- > Maximum speed: 2,750 × g (4,400 rpm)
- > High capacity rotor for 20 × 15 mL conical tubes or 30 × 15 mL glass tubes
- > Inserts for 15 mL conical tubes and rubber mats for use with glass tubes are included

**Rotor F-45-24-11**

- > Maximum speed: 1,770 × g (4,400 rpm)
- > Fixed-angle rotor for 24 × 1.5/2.0 mL tubes
- > Quiet centrifugation even without rotor lid
- > Adapters optionally available for:
  - 0.2 mL PCR tubes (5425715005)
  - 0.4 mL centrifuge tubes (5425717008)
  - 0.5 mL micro test tubes and BD Microtainer® tubes (5425716001)
- > Rotor and adapters are autoclavable (121 °C, 20 min)

**Rotor F-45-18-17-Cryo**

- > Maximum speed: 1,970 × g (4,400 rpm)
- > Quiet centrifugation even without rotor lid
- > Centrifugation of 1 – 2 mL cryo container (max. 13 mm Ø, use with adapter) and tubes with screw cap (max. 17 mm Ø, no adapter required)
- > Rotor and adapters are autoclavable (121 °C, 20 min)

**Ordering information**

Description	Order no.
<b>Rotor A-8-17</b> , 8 × 15 mL, without adapter, without rubber mats	5702700002
<b>Rotor F-35-30-17</b> , incl. 30 steel sleeves for 15 mL vessels, with 20 adapters for conical tubes and 30 rubber mats	5702704008
<b>Rotor F-35-30-17</b> , incl. 10 steel sleeves for 15 mL vessels, with 10 adapters for conical tubes and 10 rubber mats	5702705004
<b>Rotor F-45-24-11</b> , 45° angle, 24 places, max. Ø 11 mm, without lid	5702746002
<b>Rotor F-45-18-17-Cryo</b> , without rotor lid, without adapters	5702747009
<b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425715005
<b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425716001
<b>Adapter</b> , for 1 cryo tubes (max. Ø 13 mm) or sealable centrifugation tubes (Ø 12.2 mm), max. length 50 mm, for Rotor F-45-18-17-Cryo, 6 pcs.	5702752002
<b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425717008
<b>Adapter</b> , for 1 HPLC vessel 1.5 mL, for Rotor F-45-18-17-Cryo, 18 pcs.	5427708006





## Centrifuge 5804/5804 R and 5810/5810 R



## Centrifuge Packages 58xx Family



[www.eppendorf.com/  
centrifuge5810](http://www.eppendorf.com/centrifuge5810)



### Description

Whether you need a refrigerated or non-refrigerated centrifuge for low or medium throughput applications, one of these packages will definitely suit your requirements.

### Cell Culture Centrifuge packages include

- > Centrifuge 5702/5702 R, 5804/5804 R or 5810/5810 R
- > Swing-bucket rotor incl. buckets
- > Four adapters for 15 mL conical tubes (two sets of 2)
- > Four adapters for 50 mL conical tubes (two sets of 2)

### Centrifuge packages for round-bottom tubes include

- > Centrifuge 5810/ 5810 R
- > Swing-bucket rotor S-4-104 incl. buckets
- > Four adapters for 13 mm (5/7 mL) round bottom tubes (two sets of 2)
- > Four adapters for 16 mm (10 mL) round bottom tubes (two sets of 2)

### Eppendorf Conical Tubes 15 mL, 25 mL and 50 mL

The Eppendorf Conical Tubes are the optimal solution for sample preparation protocols in microbiology and molecular biology laboratories. Safe design and easy handling ensure best sample processing.

### Premium raw material ensures

- > Highest sample integrity
- > High g-Safe® centrifugation stability
- > Optimal sample and pellet visibility

[For more information go to chapter "tubes and plates".](#)



### Ordering information

Description	Order no.
<b>Centrifuge 5804</b> , keypad, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5804000010
<b>Centrifuge 5804 R</b> , keypad, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5805000010
<b>Centrifuge 5810</b> , keypad, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5810000010
<b>Centrifuge 5810 R</b> , keypad, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)	5811000015

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.

### Number of vessels per adapter/rotor

Centrifuge Packages 58xx Family	15 mL conical	50 mL conical
<b>5702/5702 R</b>	2/8	1/4
<b>5804/5804 R + Rotor A-4-44</b>	4/16	1/4
<b>5804/5804 R + Rotor S-4-72</b>	8/32	4/16
<b>5810/5810 R + Rotor A-4-62</b>	9/36	4/16
<b>5810/5810 R + Rotor A-4-81</b>	12/48	5/20
<b>5810/5810 R + Rotor S-4-104</b>	14/56	7/28
	13 mm	16 mm
<b>5810/5810 R + S-4-104</b>	23/92	20/80

### Ordering information

Description	Conical tubes	Order no.
<b>Centrifuge 5804</b> , keypad, non-refrigerated, with Rotor A-4-44 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	16 × 15 mL/4 × 50 mL	5804000320
<b>Centrifuge 5804 R</b> , keypad, refrigerated, with Rotor A-4-44 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	16 × 15 mL/4 × 50 mL	5805000320
<b>Centrifuge 5804</b> , keypad, non-refrigerated, with Rotor S-4-72 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	32 × 15 mL/16 × 50 mL	5804000520
<b>Centrifuge 5804 R</b> , keypad, refrigerated, with Rotor S-4-72 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	32 × 15 mL/16 × 50 mL	5805000620
<b>Centrifuge 5810</b> , keypad, non-refrigerated, with Rotor A-4-62 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	36 × 15 mL/16 × 50 mL	5810000320
<b>Centrifuge 5810 R</b> , keypad, refrigerated, with Rotor A-4-62 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	36 × 15 mL/16 × 50 mL	5811000325
<b>Centrifuge 5810</b> , keypad, non-refrigerated, with Rotor A-4-81 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	48 × 15 mL/20 × 50 mL	5810000420
<b>Centrifuge 5810 R</b> , keypad, refrigerated, with Rotor A-4-81 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	48 × 15 mL/20 × 50 mL	5811000420
<b>Centrifuge 5810</b> , keypad, non-refrigerated, Classic Cell Culture Solution, with Rotor S-4-104 including 4 adapters for 5/15 mL tubes and 4 adapters for 50 mL conical tubes, 230 V/50 – 60 Hz (EU)	56 × 15 mL/28 × 50 mL	5810000525
<b>Centrifuge 5810 R</b> , keypad, refrigerated, with Rotor S-4-104 incl. adapters for 15/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	56 × 15 mL/28 × 50 mL	5811000620
<b>Centrifuge 5810</b> , keypad, non-refrigerated, with Rotor S-4-104 incl. adapters for 13/16 mm round-bottom tubes, 230 V/50 – 60 Hz (EU)	56 × 15 mL/28 × 50 mL 92 × 13 mm/80 × 16 mm	5810000620
<b>Centrifuge 5810 R</b> , keypad, refrigerated, with Rotor S-4-104 incl. adapters for 13/16 mm round-bottom tubes, 230 V/50 – 60 Hz (EU)	56 × 15 mL/28 × 50 mL 92 × 13 mm/80 × 16 mm	5811000820

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.







## Overview of Swing-Bucket Rotors Centrifuge 58xx Family



Model	Rotor S-4-104	Rotor A-4-81	Rotor A-4-62
Max. capacity 5804/5804 R	4 × 750 mL	4 × 500 mL	4 × 250 mL
5810/5810 R	■	■	■
Description	Medium capacity swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation	Medium capacity swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation	Economic swing-bucket rotor for blood, bacteria, cell culture and plate centrifugation
Aerosol-tightness tubes/plates	yes/yes	yes/no	yes/no
Max. RCF	3,214 × g	3,220 × g	3,220 × g
Max. speed	3,900 rpm	4,000 rpm	4,000 rpm
Eppendorf Tubes® 5.0 mL and 15 mL conical	56	48	36
25 mL snap cap tubes	24	20	12
25 mL screw cap tubes	28	20	12
50 mL conical tubes	28	20/28 <sup>1)</sup>	16
13 mm round-bottom and blood collection tubes	92	100	60
16 mm round-bottom and blood collection tubes	80	64	48
1.5/2.0 mL micro tube	200	80	64
PCR plates/MTP	16	16	16
Deepwell plates (DWP)	4	4	4

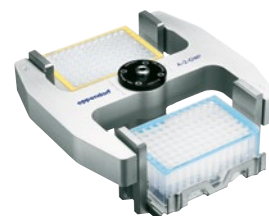
<sup>1)</sup> Maximum capacity with dedicated bucket/adaptor. <sup>2)</sup> Maximum capacity with dedicated 50 mL bucket.

## Overview of Fixed-Angle Rotors Centrifuge 58xx Family



Model	Rotor F-34-6-38	Rotor FA-45-6-30
Max. capacity 5804/5804 R	6 × 85 mL	6 × 50 mL
5810/5810 R	■	■
Description	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-tightness	no	yes
Max. RCF	18,514 × g	20,133 × g
Max. speed	12,000 rpm	12,100 rpm
1.5/2.0 mL micro tube	24	–
Eppendorf Tubes® 5.0 mL and 15 mL conical	6	6
50 mL conical tubes	6	6
25 mL conical tubes	6 <sup>1)2)</sup>	6 <sup>2)3)</sup>
85 mL Oakridge tubes	6	–

<sup>1)</sup> Screw cap tubes only. <sup>2)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>3)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.



Rotor S-4-72	Rotor A-4-44	Rotor A-2-DWP-AT	Rotor A-2-DWP
4 × 250 mL	4 × 100 mL	2 × 4 MTP, 2 × 1 DWP	2 × 4 MTP, 2 × 2 DWP
■	■	■	■
Economic swing-bucket rotor for blood, bacteria, cell culture centrifugation	High-speed swing-bucket rotor for platelet poor plasma, blood, bacteria and cell culture	Aerosol-tight deepwell plate rotor for safe centrifugation of hazardous samples.	Economic deepwell plate rotor
no/-	yes/-	-/yes	-/no
3,234 × g	4,500 × g	3,486 × g	2,250 × g
4,200 rpm	5,000 rpm	4,500 rpm	3,700 rpm
32	16	-	-
16	4	-	-
16	4	-	-
16	4/8 <sup>2)</sup>	-	-
56	36	-	-
52	28	-	-
104	48	48	48
-	-	8	8
-	-	2	4



Rotor FA-45-20-17	Rotor FA-45-48-11	Rotor F-45-30-11/Rotor FA-45-30-11
20 × 5.0 mL	48 × 1.5/2.0 mL	30 × 1.5/2.0 mL
■	■	■
Aerosol-tight applications in Eppendorf Tubes® 5.0 mL	Aerosol-tight microcentrifuge tube rotor for safe centrifugation of hazardous samples	Microcentrifuge tube rotor
yes	yes	no/yes
20,913 × g	19,083 × g	20,817 × g
13,100 rpm	13,000 rpm	14,000 rpm
20	48	30
20/-	-	-
-	-	-
-	-	-
-	-	-





## Rotors for Centrifuge 58xx Family



Model	Rotor F-35-48-17 <sup>1)</sup>	Rotor T-60-11	Rotor F-45-48-PCR
Max. capacity		60 × 1.5/2.0 mL	6 × 5/8 PCR strips (48 × 0.2 mL)
5804/5804 R	■		■
5810/5810 R	■	■	■
Aerosol-tightness	no	no	no
Max. RCF	5,005 × g	16,435 × g	15,294 × g
Max. speed	5,500 rpm	14,000 rpm	12,000 rpm
1.5/2.0 mL micro tube	–	60	–
Eppendorf Tubes® 5.0 mL and 15 mL conical	-/40	–	–

<sup>1)</sup> 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.
<b>Rotor FA-45-20-17</b> , incl. rotor lid, for 20 Eppendorf Tubes® 5.0 mL	5820765003
<b>Adapter</b> , for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, 4 pcs.	5820768002
<b>Adapter</b> , for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.	5820769009
<b>Adapter</b> , for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.	5820770007
<b>Rotor FA-45-48-11</b> , aerosol-tight, incl. rotor lid, for 48 × 1.5/2.0 mL tubes	5820760001
<b>Rotor F-45-30-11</b> , incl. rotor lid, for 30 × 1.5/2.0 mL reaction vessels	5804715004
<b>Rotor FA-45-30-11</b> , aerosol-tight, incl. rotor lid, for 30 × 1.5/2.0 mL reaction vessels	5804726006

### Ordering information

Description	Order no.
<b>Rotor F-35-48-17</b> , for 24 × 15 mL conical tubes, incl. 24 steel sleeves and adapters	5820771003
<b>Rotor F-35-48-17</b> , for 40 × 15 mL conical tubes, incl. 48 steel sleeves and adapters	5820772000
<b>Rotor T-60-11</b> , incl. rotor lid, for 1.5/2.0 mL tubes, without adapter	5804730003
<b>Adapter</b> , for 10 reaction vessels 1.5/2.0 mL, for Rotor T-60-11, 6 pcs.	5804731000
<b>Adapter</b> , for 20 reaction vessels 0.4 mL, for Rotor T-60-11, 6 pcs.	5804732006
<b>Rotor F-45-48-PCR</b> , for 6 × 8, 6 × 5 PCR tube strips, 48 × 0.2 mL individual PCR tubes	5804735005

**Rotor A-2-DWP**

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

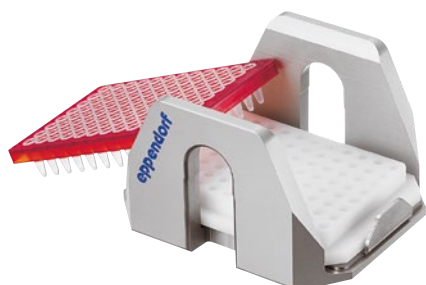
**Rotor A-2-DWP-AT**

- > For use in Centrifuge 5810/5810 R only<sup>1)</sup>
- > Max. speed: 3,486 × g (4,500 rpm)
- > Rotor can handle up to
  - 2 × 4 MTP
  - 2 × 1 DWP
  - 2 × 1 Filtration plate kits
  - 2 × 2 Cell culture plates

<sup>1)</sup> Please note that a software upgrade may be necessary for older centrifuges when using Rotor A-2-DWP-AT. Please contact your local Eppendorf organization or dealer for further information.

**Ordering information**

Description	Order no.
<b>Rotor A-2-DWP</b> , for Deepwell plates, incl. 2 buckets	5804740009
<b>Rotor A-2-DWP-AT</b> , incl. 2 buckets, 2 aerosol-tight caps and 2 plate carriers	5820710004

**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 cm<sup>2</sup> and selective 75 cm<sup>2</sup> flasks (please ask for details)
- > Can be used in Eppendorf plate rotor A-4-81-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 and A-4-81-MTP/Flex

**Ordering information**

Description	Order no.
<b>Adapter</b> , for 1 cell culture flask, for Rotors A-4-81-MTP/Flex	5825719000
<b>Adapter</b> , 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.	5825711009
<b>Adapter</b> , 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.	5825713001
<b>IsoRack adapter</b> , for 24 vessels in the IsoRack 1.5/2.0 mL, for Rotor A-4-81 (MTP), for Rotor A-2-DWP-AT, for 24 × 1.5/2.0 mL tubes in the IsoRack, 2 pcs.	5825709004
<b>CombiSlide Adapter</b> , for 12 slides Combi Slide, for Rotors A-2-MTP and A-4-81 (MTP), 2 pcs.	5825706005





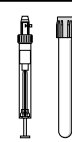
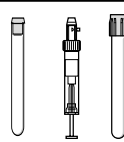
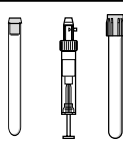
# Rotors for Centrifuge 5810 and 5810 R



## Rotor S-4-104

- > Medium capacity swing-bucket rotor with max. speed  $3,214 \times g$  ( $3,900 \text{ rpm}$ )<sup>1)</sup>
- > 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

<sup>1)</sup>Please note that a software upgrade may be necessary for older centrifuges when using this rotor. Please contact your local Eppendorf organization or dealer for further information.



### Adapters for Rotor S-4-104




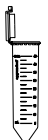



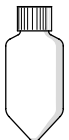


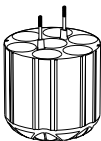

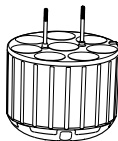
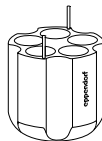


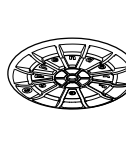
Tube Volume	1.5/2.0 mL	12 x 75 mm, 5 mL FACS	2.6 – 8 mL	5.5 – 12 mL	9 mL	14 mL	Eppendorf Tubes® 5.0 mL and 15 mL conical
Max. tube diameter	11 mm	12 mm	13 mm	16 mm	17.5 mm	17.5 mm	17 mm
Max. vessel height	39 mm	115 mm	115 mm	119 mm	111 mm	117 mm	125 mm
Max. vessel height for use with cap/lid <sup>1)</sup>	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	$3,197 \times g$	$3,112 \times g$	$3,044 \times g$	$3,061 \times g$	$3,044 \times g$	$3,146 \times g$	$3,197 \times g$
Packing	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5825740009	5825747003	5825738004	5825736001	5825743008	5825748000	5825734009

<sup>1)</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke. <sup>2)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004. <sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>4)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer. <sup>5)</sup> 225 mL conical bottles from BD®/Corning® and 250 mL conical bottles from Nunc® for Rotor S-4-104 and S-4x750.



## Ordering information

Description	Order no.
<b>Rotor S-4-104</b>	
incl. 4 x 750 mL round buckets	5820740000
aerosol-tight capable, incl. 4 plate buckets	5820754001
without buckets	5820755008
<b>Inlay for microfluidic card</b> , for Rotor S-4-104, 4 pcs.	5820751002
<b>Plate carrier</b> , Rotoren S-4-104, S-4x750, 2 pcs.	5820756004
<b>Plate bucket</b> , for Rotor S-4-104, aerosol-tight capable, incl. plate carrier, 2 pcs.	5820744006
<b>Plate bucket</b> , for Rotor S-4-104, aerosol-tight capable, incl. plate carrier, 4 pcs.	5820743000
<b>Plate bucket (open)</b> , for Rotor S-4-104, incl. plate carrier, 4 pcs.	5820757000
<b>Round bucket 750 mL</b> , for Rotor S-4-104, 2 pcs.	5820742003
<b>Round bucket 750 mL</b> , for Rotor S-4-104, aerosol-tight capable, 4 pcs.	5820741007
<b>Caps</b> , rotors S-4-104, S-4x750, plate bucket, aerosol-tight, 2 pcs.	5820748001
<b>Caps for 750 mL/1000 mL</b> , for rotors S-4-104, S-4x750, S-4x1000, aerosol-tight, 2 pcs.	5820747005
<b>Wide-neck bottle 750 mL</b> , for Rotors S-4-104, S-4x750, S-4x1000, 2 pcs.	5820708000

								
25 mL snap cap <sup>2)</sup>	25 mL screw cap <sup>3)</sup>	50 mL screw cap	45 mL snap cap	30 mL	50 mL conical, skirted	250 mL flat, 175 – 225/250 mL conical <sup>4)5)</sup>	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 x g	2,567 x g	3,180 x g	3,180 x g		3,027 x g	3,112 x g	3,180 x g	3,146 x g
	2 pcs.			2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
	5825733002			5825755006	5825732006	5825741005	5825745000	5825744004















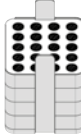
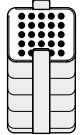
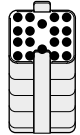
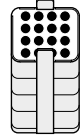
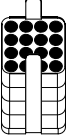
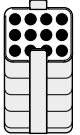
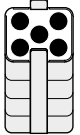
# Rotors for Centrifuge 5810 and 5810 R



## 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<sup>1)</sup> for safe centrifugation of hazardous samples optionally available

<sup>1)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK.

									
<b>Adapters for Rotor A-4-81</b>									
<b>Tube Volume</b>	1.5/2.0 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 tubes	25 mL snap cap	25 mL screw cap
<b>Max. tube diameter</b>	11 mm	11 mm	13 mm	13 mm	16 mm	17.5 mm	17 mm	30 mm	30 mm
<b>Max. vessel height</b>	43 mm	108 mm	108 mm	108 mm	108 mm	118 mm	121 mm	83 mm	78.5 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	43 mm	108 mm	107 mm	108 mm	108 mm	118 mm	121 mm	116 mm	78.5 mm
<b>Adapter</b>									
<b>Number of vessels per adapter/rotor</b>	20/80	20/80	25/100	18/72	16/64	16/64	12/48	5/20	5/20
<b>Bottom shape</b>	flat	flat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat	conical	conical	
<b>Centrifugation radius</b>	165 mm	168 mm	168 mm	168 mm	168 mm	168 mm	173 mm	158 mm	148 mm
<b>Max. RCF</b>	$2,950 \times g$	$3,000 \times g$	$3,000 \times g$	$3,000 \times g$	$3,000 \times g$	$3,000 \times g$	$3,100 \times g$	$2,826 \times g$	$2,647 \times g$
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	
<b>Order no.</b>	5810745004	5810746000	5810720001	5810747007	5810748003	5810721008	5810722004	5810723000	







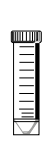




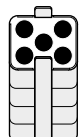
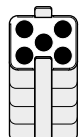




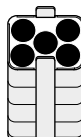
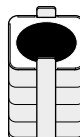
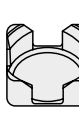

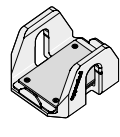
<sup>1)</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

<sup>2)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004. <sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>4)</sup> Please order adapter for 50 mL conical tubes skirted 5804737008 or 022654373 for U.S. and Canada. <sup>5)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.



## Ordering information

Description	Order no.
<b>Rotor A-4-81</b> , for 500 mL rectangular buckets or MTP/Flex buckets, incl. 4 x 500 mL rectangular buckets	5810718007
<b>Rotor A-4-81</b> , without buckets	5810743001
<b>Rotor A-4-81-MTP/Flex</b> , Swing-bucket rotor, incl. 4 MTP/Flex buckets	5810725003
<b>Bucket for 7 x 50 mL conical tubes</b> , for Rotor A-4-81, 4 pcs.	5825730003
<b>Rectangular bucket 500 mL</b> , for Rotor A-4-81, 4 pcs.	5810730007
<b>Cap</b> , aerosol-tight, for 500 mL rectangular bucket, 2 pcs.	5810724007
<b>Wide-neck bottle 500 mL</b> , for Rotors A-4-81, S-4x500, rectangular, 2 pcs.	5820707003
<b>Wide-neck bottle 400 mL</b> , for Rotors A-4-81, S-4x500, 400 mL, lid blue, 2 pcs.	5810729009
<b>MTP/Flex buckets</b> , for Rotors A-4-81, S-4x500, for use with IsoRack and cell culture flask adapters as well as MTP and DWP, 2 pcs.	5810742005
<b>MTP/Flex buckets</b> , for Rotors A-4-81, S-4x500, for use with IsoRack and cell culture flask adapters as well as MTP and DWP, 4 pcs.	5810741009

										
50 mL screw cap	45 mL snap cap	25 mL snap cap <sup>2)</sup>	25 mL screw cap <sup>3)</sup>	50 mL screw cap	45 mL snap cap	30 – 50 mL round- bottom/50 mL conical, skirted <sup>4)</sup>	180 – 250 mL flat/ 175 – 225 mL conical <sup>5)</sup>	400 mL	500 mL	MTP, DWP, PCR plates
30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	62 mm	133 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	conical	conical	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 x g	3,100 x g	2,772 x g	2,593 x g	3,220 x g	3,220 x g	3,100 x g	3,100 x g	3,220 x g	3,220 x g	2,900 x g
2 pcs.	2 pcs.	4 pcs.	4 pcs.	4 pcs.	4 pcs.	2 pcs.	2 pcs.	2 pcs.	–	2 pcs.
5810723000	5810723000	5825730003	5825730003	5825730003	5825730003	5810739004	5825722000	5810728002	–	5810742005







# Rotors for Centrifuge 5810 and 5810 R



## Rotor A-4-62

- > Swing-bucket rotor with max. speed  $3,220 \times g$  (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<sup>1)</sup> for safe centrifugation of hazardous samples optionally available

<sup>1)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK.

<b>Adapters for Rotor A-4-62</b>								
<b>Tube Volume</b>	1.5 – 2.0 mL	1.2 – 5 mL	2.6 – 7 mL	3 – 15 mL	7 – 17 mL	Eppendorf Tubes® 5.0 mL and 15 mL conical	7 – 18 mL	18 – 25 mL
<b>Max. tube diameter</b>	11 mm	11 mm	13 mm	16 mm	17.5 mm	17 mm	20 mm	26 mm
<b>Max. vessel height</b>	43 mm	123 mm	121 mm	121 mm	118 mm	127 mm	126 mm	119 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	43 mm	115 mm	118 mm	116 mm	114 mm	121 mm	119 mm	116 mm
<b>Adapter</b>								
<b>Number of vessels per adapter/rotor</b>	16/64	25/100	15/60	12/48	12/48	9/36	8/32	4/16
<b>Bottom shape</b>	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
<b>Centrifugation radius</b>	171 mm	173 mm	173 mm	173 mm	173 mm	178 mm	173 mm	173 mm
<b>Max. RCF</b>	$3,000 \times g$	$3,050 \times g$	$3,050 \times g$	$3,050 \times g$	$3,050 \times g$	$3,150 \times g$	$3,050 \times g$	$3,050 \times g$
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5810751004	5810750008	5810752000	5810753007	5810754003	5810755000	5810756006	5810757002



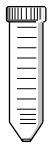
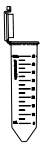

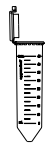
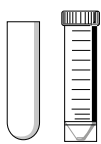

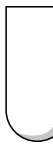






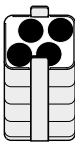
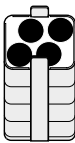


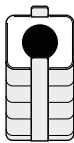
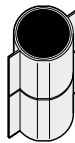
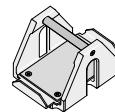
<sup>1)</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

<sup>2)</sup> Please order adapter for 50 mL conical tubes skirted 5804 737008.



## Ordering information

Description	Order no.
<b>Rotor A-4-62</b> , incl. 4 × 250 mL rectangular buckets	5810709008
<b>Rotor A-4-62-MTP</b> , with 4 MTP buckets	5810711002
<b>MTP bucket for Rotor A-4-62</b> , for 4 MTP or 1 DWP, 4 pcs.	5810702003
<b>Caps</b> , for rectangular bucket 250 mL, aerosol-tight, 2 pcs.	5810710006
<b>Rectangular bucket 250 mL</b> , for Rotor A-4-62, 4 pieces	5810716004

										
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 <sup>2)</sup>	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	119 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 × g	2,522 × g	3,150 × g	3,050 × g	3,050 × g	3,050 × g	3,050 × g	3,050 × g	3,050 × g	3,220 × g	2,750 × g
		2 pcs.		2 pcs.		2 pcs.	2 pcs.	2 pcs.	2 pcs.	4 pcs.
		5810758009		5810763002		5810759005	5810760003	5810761000	5810770009	5810702003







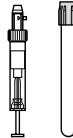
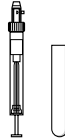

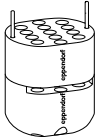
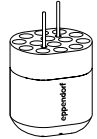
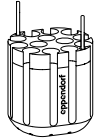
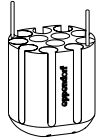
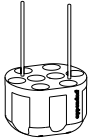
# Rotors for Centrifuge 58xx Family



## Rotor S-4-72

- > Medium capacity swing-bucket rotor with speeds up to  $3,234 \times g$  ( $4,200 \text{ rpm}$ )<sup>1)</sup>
- > 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

<sup>1)</sup> Please note that a software upgrade may be necessary for older centrifuges when using this rotor. Please contact your local Eppendorf organization or dealer for further information.








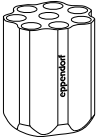
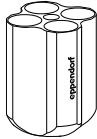


					
<b>Adapters for Rotor S-4-72</b>					
<b>Tube Volume</b>	1.5/2.0 mL	2.6 – 8 mL	5.5 – 12 mL	9 mL	Eppendorf Tubes® 5.0 mL
<b>Max. tube diameter</b>	11 mm	13 mm	16 mm	17.5 mm	17 mm
<b>Max. vessel height</b>	43 mm	115 mm	112 mm	113 mm	60 mm
<b>Adapter</b>					
<b>Number of vessels per adapter/rotor</b>	26/104	14/56	13/52	12/48	8/32 <sup>1)</sup>
<b>Bottom shape</b>	flat	round	round	round	conical
<b>Centrifugation radius</b>	159 mm	159 mm	157 mm	158 mm	163 mm
<b>Max. RCF</b>	$3,136 \times g$	$3,136 \times g$	$3,096 \times g$	$3,116 \times g$	$3,215 \times g$
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5804794001	5804789008	5804791002	5804792009	5804793005

<sup>1)</sup> For Eppendorf Tubes® 5.0 mL with screw cap the capacity is limited to 6 tubes per adapter.<sup>2)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.<sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000.<sup>4)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.



## Ordering information

Description	Order no.
Rotor S-4-72, incl. 4 × 250 mL round buckets	5804746007

						
15 mL conical	25 mL snap cap <sup>2)</sup>	25 mL screw cap <sup>3)</sup>	50 mL screw cap	45 mL snap cap	50 mL conical, skirted	250 mL flat/ 175 mL Falcon <sup>®4)</sup>
17 mm	30 mm	30 mm	30 mm	30 mm	30 mm	62 mm
120 mm	83 mm	78.5 mm	120 mm	83 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	137 mm	153 mm	160 mm
3,234 × g	2,701 × g	2,524 × g	3,234 × g	2,701 × g	2,602 × g	3,155 × g
2 pcs.			2 pcs.		2 pcs.	2 pcs.
5804783000			5804784006		5804785002	5804787005





# Rotors for Centrifuge 58xx Family



## 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<sup>1)</sup> for safe centrifugation of hazardous samples optionally available

<sup>1)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK.

<b>Adapters for Rotor A-4-44</b>									
<b>Tube Volume</b>	1.5 – 2.0 mL	1.2 – 5 mL	2.6 – 7 mL	3 – 15 mL	7 – 17 mL	Eppendorf Tubes® 5.0 mL and 15 mL conical	15 mL conical	7 – 18 mL	18 – 30 mL
<b>Max. tube diameter</b>	11 mm	11 mm	13 mm	16 mm	17.5 mm	17 mm	17 mm	20 mm	26 mm
<b>Max. vessel height</b>	43 mm	105 mm	108 mm	108 mm	110 mm	121 mm	121 mm	107 mm	110 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	43 mm	102 mm	106 mm	106 mm	106 mm	–	121 mm	104 mm	100 mm
<b>Adapter</b>									
<b>Number of vessels per adapter/rotor</b>	12/48	14/56	9/36	7/28	6/24	4/16	2/8	4/16	2/8
<b>Bottom shape</b>	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
<b>Centrifugation radius</b>	148 mm	150 mm	150 mm	150 mm	150 mm	155 mm	157 mm	150 mm	150 mm
<b>Max. RCF</b>	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
<b>Packaging</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5804751000	5804750004	5804752007	5804753003	5804754000	5804755006	5804717007	5804756002	5804757009

<sup>1)</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

<sup>2)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.<sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000.



## Ordering information

Description	Order no.
<b>Rotor A-4-44</b> , incl. 4 × 100 mL rectangular buckets	5804709004
<b>Bucket for 2 × 50 mL conical tubes</b> , for Rotor A-4-44, 4 pcs.	5804706005
<b>Rotor A-4-44</b> , incl. 4 buckets for 2 × 50 mL conical tubes	5804719000
<b>Rectangular bucket 100 mL</b> , for Rotor A-4-44, 4 pcs.	5804741005
<b>Caps</b> , for 100 mL rectangular bucket, aerosol-tight, 2 pcs.	5804712005
<b>Adapter Insert</b> , insert for 50 mL conical tubes with skirted bottom, 8 pcs.	5804737008

25 mL snap cap	25 mL screw cap	50 mL screw cap	45 mL snap cap	25 mL snap cap <sup>2)</sup>	25 mL screw cap <sup>3)</sup>	50 mL screw cap	45 mL snap cap	30 – 50 mL round- bottom/ 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	122 mm	83 mm	78.5 mm	122 mm	122 mm	122 mm	120 mm	120 mm	119 mm	114 mm	
83 mm	78.5 mm	–	–	83 mm	78.5 mm	119 mm	119 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	3,521 × g	3,242 × g	4,388 × g	4,388 × 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.	
5804758005				5804718003				5804759001	5804706005		5804760000	5804761006	












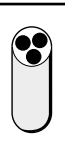


## Rotors for Centrifuge 58xx Family



### 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 5810 R or 15,557 × g (11,000 rpm) in Centrifuge 5804/5804 R/5810<sup>1)</sup>
- > Low rotor weight (3.2 kg) for easy handling

<sup>1)</sup> Rotors F-34-6-38 and FA-45-6-30 maintain 4 °C at 11,000 rpm

					
<b>Adapters for Rotor F-34-6-38</b>					
<b>Tube Volume</b>	1.5 – 2.0 mL	2 – 5 mL (13x75 mm)	4 – 7 mL (13x100 mm)	7 – 15 mL	Eppendorf Tubes® 5.0 mL
<b>Max. tube diameter</b>	11 mm	13 mm	13 mm	16 mm	17 mm
<b>Max. vessel height for use with cap/lid</b>	43 mm	80 mm	107 mm	112 mm	–
<b>Adapter</b>					
<b>Number of vessels per adapter/rotor</b>	4/24	3/18	3/18	2/12	1/6
<b>Bottom shape</b>	round	flat	flat	round	conical
<b>Centrifugation radius</b>	113 mm	106 mm	114 mm	112 mm	105 mm
<b>Max. RCF at 12.100 rpm (5810 R)</b>	18,200 × g	17,065 × g	18,353 × g	18,000 × g	17,187 × g
<b>Max. RCF at 11.000 rpm (5804, 5804 R, 5810)</b>	15,300 × g	14,339 × g	15,422 × g	15,150 × g	14,204 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5804770005	5804738004	5804739000	5804771001	5804777000

















<sup>1)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000.

i For more information go to [www.eppendorf.com/centrifugation](http://www.eppendorf.com/centrifugation)



## Ordering information

Description	Order no.
<b>Rotor F-34-6-38</b> , for 6 × 85 mL tubes, incl. rotor lid	5804727002
<b>Rotor lid</b> , for F-34-6-38, for Centrifuge 58xx	5804727509

							
15 mL conical	15 – 18 mL	30 mL	25 mL screw cap <sup>1)</sup>	50 mL screw cap	45 mL snap cap	50 mL	85 mL
17 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	–	123 mm	121 mm
							
1/6	1/6	1/6	1/4	1/6	1/4	1/6	–/6
conical	round	round		conical		round	round
107 mm	109 mm	110 mm	87 mm	108 mm	108 mm	112 mm	115 mm
17,200 × g	17,550 × g	17,700 × g	14,241 × g	17,400 × g	17,400 × g	18,014 × g	18,500 × g
14,450 × g	14,750 × g	14,900 × g	14,070 × g	14,600 × g	14,600 × g	15,157 × g	15,550 × g
2 pcs.	2 pcs.	2 pcs.		2 pcs.		2 pcs.	
5804776003	5804772008	5804773004		5804775007		5804774000	–







# Rotors for Centrifuge 58xx Family



## Rotor FA-45-6-30

- > High-speed rotor for applications in tubes from 5 – 50 mL<sup>1)</sup>
- > Max. speed 20,133 × g (12,100 rpm) in Centrifuge 5810 R or 16,639 × g (11,000 rpm) in Centrifuge 5804/5804 R/5810<sup>2)</sup>
- > Eppendorf QuickLock® rotor lid for fast lid locking

<sup>1)</sup> Please note that a software upgrade may be necessary for older centrifuges when using this rotor. Please contact your local Eppendorf organization or dealer for further information.

<sup>2)</sup> Rotors F-34-6-38 and FA-45-6-30 maintain 4 °C at 11,000 rpm

### Ordering information

Description	Order no.
Rotor FA-45-6-30, aerosol-tight, incl. rotor lid, for 6 × 15/50 mL conical tubes	5820715006

<b>Adapters for Rotor FA-45-6-30</b>					
<b>Tube Volume</b>	2.6 – 5 mL	4 – 8 mL	5.5 – 10 mL	7.5 – 12 mL	Eppendorf Tubes® 5.0 mL
<b>Max. tube diameter</b>	13 mm	13 mm	16 mm	16 mm	17 mm
<b>Max. vessel height for use with cap/lid</b>	–	119 mm	–	119 mm	–
<b>Adapter</b>					
<b>Number of vessels per adapter/rotor</b>	1/6	1/6	1/6	1/6	1/6 <sup>1)</sup>
<b>Bottom shape</b>	round	round	round	round	conical
<b>Centrifugation radius</b>	120 mm	120 mm	120 mm	120 mm	121 mm
<b>Max. RCF at 12.100 rpm (5810 R)</b>	19,642 × g	19,642 × g	19,642 × g	19,642 × g	19,806 × g
<b>Max. RCF at 11.000 rpm (5804, 5804 R, 5810)</b>	16,233 × g	16,233 × g	16,233 × g	16,233 × g	16,369 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5820726008	5820725001	5820728000	5820727004	5820730005

<sup>1)</sup> Eppendorf Tubes® 5.0 mL with screw cap will not fit in this adapter.



# Eppendorf Conical Tubes

Whether you use them for centrifugation, mixing, or other applications – the Eppendorf Conical Tubes 15 mL, 25 mL and 50 mL will perfectly fit into your workflows. They represent the next step in Eppendorf's comprehensive system solutions in liquid, sample and cell handling.

More information: [www.eppendorf.link/conicals](http://www.eppendorf.link/conicals)



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	121 mm	107 mm	104 mm	83 mm	78.5 mm	127 mm	127 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 × g	19,642 × g	19,642 × g	17,187 × g	17,023 × g	15,616 × g	19,500 × g	20,133 × g
16,233 × g	16,223 × g	16,223 × g	14,204 × g	14,069 × g	13,122 × g	16,639 × g	16,639 × g
2 pcs.	2 pcs.	2 pcs.	2 pcs.	6 pcs.	6 pcs.	-	-
5820729007	5820717009	5820720000	5820721006	5820733004	5820734000	-	-





## Centrifuge 5910 Ri



### Description

The refrigerated Centrifuge 5910 Ri combines high capacity and performance in a compact and ergonomic footprint. It comes with an intuitive touchscreen user interface and an advanced temperature management system.

### Product features

- > Large 7-inch VisioNize® touch interface for super-fast parameter settings via unique favorites function
- > User management with multiple authorization levels and documentation features supporting GLP/GxP requirements
- > Swing-bucket rotors and adapters for tubes and bottles from 0.2 mL to 1,000 mL as well as all types of MTP, PCR or Deepwell Plates

### Ordering information

#### Description

Centrifuge 5910 Ri, touch interface, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)

#### Order no.

5943000011

✓ Ordering information for other voltage options can be found in the “Voltage Version” chapter.



[www.eppendorf.link/centrifuge5910Ri](http://www.eppendorf.link/centrifuge5910Ri)

## Centrifuge 5920 R



### Description

Centrifuge 5920 R is a large benchtop refrigerated centrifuge with exceptional performance and high capacity, making it a superior choice for high-throughput applications.

### Product features

- > Swing-bucket rotors and adapters accommodate tubes and bottles from 0.2 mL to 1,000 mL
- > Plate rotor options for centrifugation of all types of MTP, PCR or Deepwell Plates
- > Fixed-angle rotors for high-speed molecular biology applications in tubes from 0.2 mL to 50 mL

### Ordering information

#### Description

Centrifuge 5920 R, keypad, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)

#### Order no.

5948000010

✓ Ordering information for other voltage options can be found in the “Voltage Version” chapter.



[www.eppendorf.link/centrifuge5920R](http://www.eppendorf.link/centrifuge5920R)



	Centrifuge 5910 Ri	Centrifuge 5920 R
1,000 mL Eppendorf bottles	4	–
1,000 mL standard bottles	–	4
750 mL bottles	4	4
180 – 250 mL bottles (flat)	6	8
50 mL conical tubes	36	52
25 mL conical tubes	36	52
5 mL and 15 mL conical tubes	68	108
1.5/2.0 mL Eppendorf Tubes®	200	368
BD Vacutainer® CPT™ (16 mm × 125 mm/8 mL)	28	80
16 mm round-bottom and blood collection tubes	104	148
13 mm round-bottom and blood collection tubes	120	196
PCR plates/MTP	20	28
Universal adapters for conical tubes, plates and bottles	■	■
Dual use of plates and tubes in one rotor bucket	■	■
Plate rotor options for MTP, PCR or DWP	■	■
Fixed-angle rotors for high-speed applications	■	■

## Centrifuge Packages 5910 Ri

### Ordering information

Description	Order no.
<b>Centrifuge 5910 Ri</b> , touch interface, refrigerated, High Speed Solution, with Rotor FA-6x50, 230 V/50 – 60 Hz (EU)	5943000149
<b>Centrifuge 5910 Ri</b> , touch interface, refrigerated, with Rotor S-4x750, incl. round buckets and adapters for 5 mL/15 mL/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	5943000516
<b>Centrifuge 5910 Ri</b> , touch interface, refrigerated, with Rotor S-4xUniversal, incl. universal buckets and adapters for 5 mL/15 mL/50 mL conical tubes and plates, 230 V/50 – 60 Hz (EU)	5943000316
<b>Centrifuge 5910 Ri</b> , touch interface, refrigerated, Big Volume Harvesting Solution, with Rotor S-4xUniversal, incl. universal buckets and 1 L adapters (4x), Eppendorf 1 L bottles (4x), 230 V/50 – 60 Hz (EU)	5943000173
<b>Centrifuge 5910 Ri</b> , touch interface, refrigerated, Versatility Solution, with Rotor S-4xUniversal, incl. universal buckets and adapters for 5 mL/15 mL/50 mL conical tubes, 175 – 250 mL bottles and plates, 230 V/50 – 60 Hz (EU)	5943000216
<b>Centrifuge 5910 Ri</b> , touch interface, refrigerated, with Rotor S-4xUniversal, incl. universal buckets, adapters for 5 mL/15 mL/50 mL conical tubes, 175 – 250 mL bottles and plates, adapters for 1000 mL bottles incl. 4 x 1000 mL bottles, 230 V/50 – 60 Hz (EU)	5943000904

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.

## Centrifuge Packages 5920 R

### Ordering information

Description	Order no.
<b>Centrifuge 5920 R</b> , keypad, refrigerated, with Rotor S-4xUniversal-Large, incl. universal buckets and adapters for 5 mL/15 mL/25 mL/50 mL conical tubes and plates, 230 V/50 – 60 Hz (EU)	5948000911
<b>Centrifuge 5920 R</b> , keypad, refrigerated, with Rotor S-4xUniversal-Large, incl. universal buckets and adapters for round-bottom tubes with diameter 13/16 mm, 230 V/50 – 60 Hz (EU)	5948000810
<b>Centrifuge 5920 R</b> , keypad, refrigerated, with Rotor S-4x1000, incl. high-capacity buckets and adapters for 15 mL/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	5948000210
<b>Centrifuge 5920 R</b> , keypad, refrigerated, with Rotor S-4x1000, incl. plate/tube buckets and adapters for 15 mL/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	5948000410
<b>Centrifuge 5920 R</b> , keypad, refrigerated, High-Throughput Screening Solution, with Rotor S-4x1000, incl. plate/tube bucket and plate carrier, 230 V/50 – 60 Hz (EU)	5948000174
<b>Centrifuge 5920 R</b> , keypad, refrigerated, with Rotor S-4x1000, incl. round buckets and adapters for 15 mL/50 mL conical tubes, 230 V/50 – 60 Hz (EU)	5948000315

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.





# Overview of Swing-Bucket Rotors Centrifuge 59xx Family



Model	Rotor S-4xUniversal-Large	Rotor S-4x1000 high-capacity buckets	Rotor S-4x1000 plate/tube buckets	Rotor S-4x1000 round buckets
Description	Extra high capacity	Extra high capacity	High capacity	Medium capacity, compatible with standard 1 Liter bottle
5910 Ri				
5920 R	■	■	■	■
Universal bucket	yes	no	no	no
Aerosol-tightness	yes	no	yes	yes
Max. capacity	4 x 750 mL	8 x 250 mL	40 x 50 mL	4 x 1,000 mL
Max. RCF	4,402 x g	3,153 x g	3,076 x g	3,428 x g
Max. speed	4,250 rpm	3,700 rpm	3,700 rpm	3,700 rpm
1.5/2.0 mL micro tube	368			200
Eppendorf Tubes® 5.0 mL and 15 mL conical	96	108	88	56
50 mL conical tubes	40	52	40	28
25 mL snap cap tubes	40	48	36	24
25 mL screw cap tubes	40	52	40	28
13 mm round-bottom and blood collection tubes	196	196	140	92
16 mm round-bottom and blood collection tubes	148	144	132	80
750 mL bottles	4			4
1,000 mL Eppendorf bottles				
1,000 mL standard bottles				4
PCR plates/MTP	20	24	28	
Deepwell plates (DWP)	8	8	8	



400 mL



500 mL



750 mL



400 mL



1,000 mL

## Eppendorf bottles for Centrifuge 5910 Ri and Centrifuge 5920 R

Bottle Manufacturer	Volume	Order no.	Size Diameter x Height	Bottom shape	Material	S-4x Universal-Large	AT <sup>1)</sup>	S-4x1000 Round Bucket	AT <sup>1)</sup>
Eppendorf	400 mL	5810729009	80 x 133 mm	flat	PP				
Eppendorf	500 mL	5820707003	83 x 134 mm	flat	PP				
Eppendorf	750 mL	5820708000	102 x 133 mm	flat	PP	■	■	■	■
Eppendorf	400 mL	5910707002	81 x 117 mm	flat	PP				
Eppendorf	1,000 mL	5910770006	118 x 133.1 mm	flat	PP				

<sup>1)</sup> Aerosol tight cap possible.



Rotor S-4xUniversal	Rotor S-4x750 with round buckets	Rotor S-4x500	Rotor S-4x400
High capacity and versatility, compatible with Eppendorf 1 Liter bottle	Medium capacity, high speed	Medium capacity	Low capacity, high speed
■	■	■	■
yes	no	no	no
yes	yes	yes	yes
4 x 1,000 mL	4 x 750 mL	4 x 500 mL	4 x 400 mL
4,347 x g	4,800 x g	3,220 x g	5,263 x g
4,500 rpm	4,700 rpm	4,000 rpm	5,100 rpm
68	200	96	104
36	56	48	28
36	28	20	16
36	24	20	16
36	28	20	16
120	92	100	60
104	80	64	44
4	4		
4			
20	16	16	
4	4	4	

Eppendorf bottles for Centrifuge 5910 Ri and Centrifuge 5920 R

S-4x750	AT <sup>1)</sup>	S-4xUniversal	AT <sup>1)</sup>	S-4x500	AT <sup>1)</sup>	S-4x400	AT <sup>1)</sup>
				■			
				■	■		
■	■	■				■	■
		■	■				





# Rotors for Centrifuge 5910 Ri

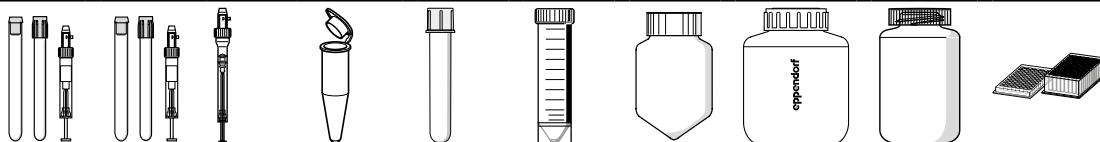


## Rotor S-4xUniversal

- > High capacity swing-bucket rotor with max. speed  $4,347 \times g$  (4,500 rpm)
- > Broad range of adapters enables high versatility for tubes and flasks from 4 mL to 1,000 mL and plates
- > Universal bucket design accommodates both plates and tubes

### Ordering information

Description	Order no.
<b>Rotor S-4xUniversal</b> , incl. universal buckets	5895200001
<b>Universal buckets</b> , for Rotor S-4xUniversal, 2 pcs.	5895202004
<b>Universal buckets</b> , for Rotor S-4xUniversal, 4 pcs.	5895203000
<b>Caps</b> , for Rotor S-4xUniversal, aerosol-tight, 2 pcs.	5910750005
<b>Wide-neck bottle 1,000 mL</b> , for Rotor S-4xUniversal, 2 pcs.	5910770006
<b>Wide-neck bottle 750 mL</b> , for Rotors S-4-104, S-4x750, S-4x1000, 2 pcs.	5820708000



### Adapters for Rotor S-4xUniversal

Tube Volume	4 mL – 8 mL	7.5 mL – 12 mL	9 mL	1.5 - 2 mL	12 x 75 mm, 5 mL FACS	50 mL conical, skirted	500 mL Corning®	750 mL	1,000 mL	MTP, DWP, PCR plates
<b>Max. tube diameter</b>	13 mm	16 mm	17.5 mm	11 mm	12 mm	31 mm	96 mm	102 mm	118 mm	–
<b>Max. vessel height</b>	119 mm	120 mm	120 mm	–	112 mm	124 mm	148 mm	139 mm	133 mm	80 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	117 mm	118 mm	118 mm	43 mm	107 mm	121 mm	–	135 mm	133 mm	66 mm
<b>Adapter</b>										
<b>Number of vessels per adapter/rotor</b>	30/120	26/104	21/84	46/184	46/184	7/28	1/4	1/4	1/4	5/20
<b>Bottom shape</b>	round	round	round	flat	round	flat	conical	flat	flat	flat
<b>Centrifugation radius</b>	190 mm	195 mm	188 mm	187 mm	189 mm	185 mm	187 mm	188 mm	188 mm	170 mm
<b>Max. RCF</b>	$4,302 \times g$	$4,415 \times g$	$4,256 \times g$	$4,233 \times g$	$4,279 \times g$	$4,188 \times g$	$4,234 \times g$	$4,256 \times g$	$4,256 \times g$	$3,849 \times g$
<b>Order no.</b>	5910755007	5910754000	5910762003	5910763000	5910758006	5910764006	5910760000	5910757000	5910756003	5910753004

<sup>1)</sup> Please perform a manual test to determine the actual loading capacity.<sup>2)</sup> Aerosol-tight caps compatible with MTP, DWP 96500 µl, DWP 384200 µl. Aerosol-tight caps not compatible with DWP 961,000 µl and 2,000 µl.<sup>3)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.<sup>4)</sup> When used with aerosol-tight caps the max. capacity is reduced to 20 x 50 mL (5 x 50 mL per adapter).<sup>5)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000.<sup>6)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.

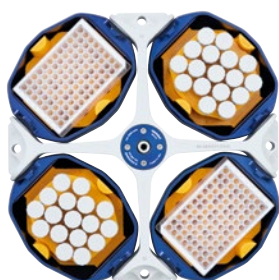


# Universal Adapters for Rotor S-4xUniversal

**Rotor S-4xUniversal brings outstanding versatility to those customers who need to spin a variety of vessels and plates. Three innovative universal adapters accommodate a selection of tubes, plates and bottles:**

- > Adapter 1: 5.0 mL and 15 mL conical tubes, MTP/DWP
- > Adapter 2: 25 mL and 50 mL conical tubes, MTP
- > Adapter 3: 25 mL and 50 mL conical tubes, 250 mL bottles, MTP

For customers who need either stacking capability, higher speed or aerosol-tight centrifugation of certain plate formats, a separate plate carrier is available.



Universal adapter 1  
Setup for deepwell plates and  
Eppendorf Tubes® 5.0/15 mL.



Universal adapter 2  
Setup for microplates and 25/50 mL conical  
tubes.



Universal adapter 3  
Setup for 25/50 mL conical tubes, 250 mL  
bottles and microplates.

Eppendorf Tubes® 5.0 mL	15 mL conical	MTP, DWP	25 mL snap cap <sup>3)</sup>	25 mL screw cap <sup>5)</sup>	50 mL screw cap	50 mL screw cap	25 mL snap cap <sup>3)</sup>	25 mL screw cap <sup>5)</sup>	50 mL screw cap	45 mL snap cap	Microplate 96/384 wells	250 mL flat, 175 - 225 mL conical <sup>6)</sup>
17 mm	17 mm	–	30 mm	30 mm	30 mm	–	30 mm	30 mm	30 mm	30 mm	–	62 mm
124 mm	124 mm	64 mm	83 mm	78.5 mm	116 <sup>4)</sup> mm	16 mm	83 mm	78.5 mm	124 mm	133 mm	16 mm	146 mm
122 mm	122 mm	<sup>2)</sup>	83 <sup>4)</sup> mm	78.5 <sup>4)</sup> mm	116 <sup>4)</sup> mm	–	83 mm	78.5 mm	121 mm	133 mm	–	139 mm
17/68	17/68	1/4	9/36	9/36	9/36	1/4	7/28	7/28	7/28	7/28	1/4	1/4
conical	conical	flat	conical	conical	conical	flat	conical	conical	conical	conical	flat	flat
191 mm	191 mm	143 mm	107 mm	156 mm	192 mm	115 mm	107 mm	155 mm	191 mm	188 mm	115 mm	187 mm
4,324 × g	4,324 × g	3,237 × g	3,758 × g	3,531 × g	4,347 × g	2,604 × g	3,735 × g	3,509 × g	4,324 × g	4,256 × g	2,604 × g	4,234 × g
5910752008			5910769008				5910751001					







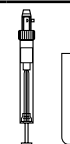
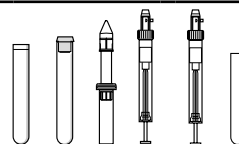
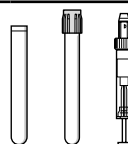
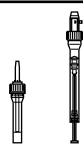
# Rotors for Centrifuge 5910 Ri





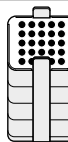
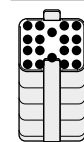
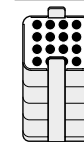
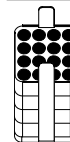
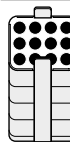
## Rotor S-4x500

- > Medium capacity swing-bucket rotor with max. speed 3,220 × g (4,000 rpm)
- > Rotor S-4x500 accommodates tubes and bottles from 0.2 mL to 500 mL as well as plates
- > Aerosol-tight caps for safe centrifugation of hazardous samples optionally available<sup>1)</sup>

<sup>1)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK.



### Adapters for Rotor S-4x500

Tube Volume	1.5/2.0 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 tubes
Max. tube diameter	11 mm	11 mm	13 mm	13 mm	16 mm	17.5 mm	17 mm
Max. vessel height	43 mm	108 mm	108 mm	108 mm	108 mm	118 mm	121 mm
Max. vessel height for use with cap/lid <sup>1)</sup>	43 mm	108 mm	107 mm	108 mm	108 mm	118 mm	121 mm
Adapter							
Number of vessels per adapter/rotor	20/80	20/80	25/100	18/72	16/64	16/64	12/48
Bottom shape	flat	flat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat	conical
Centrifugation radius	165 mm	168 mm	168 mm	168 mm	168 mm	168 mm	173 mm
Max. RCF	2,950 × g	3,000 × g	3,000 × g	3,000 × g	3,000 × g	3,000 × g	3,100 × g
Packing	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5810745004	5810746000	5810720001	5810747007	5810748003	5810721008	5810722004

<sup>1)</sup> Please perform a manual test to determine the actual loading capacity.<sup>2)</sup> Please order adapter for 50 mL conical tubes skirted 5804737008 or 022654373 for U.S. and Canada.<sup>3)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.



Guide



## Ordering information

Description	Order no.
<b>Rotor S-4x500</b> , for 500 mL rectangular buckets or MTP/Flex buckets	
incl. 4 x 500 mL rectangular buckets	5895170005
without buckets	5895171001
<b>Rectangular bucket 500 mL</b> , for Rotor A-4-81, 4 pcs.	5810730007
<b>Cap</b> , aerosol-tight, for 500 mL rectangular bucket, 2 pcs.	5810724007
<b>Wide-neck bottle 500 mL</b> , for Rotors A-4-81, S-4x500, rectangular, 2 pcs.	5820707003
<b>Wide-neck bottle 400 mL</b> , for Rotors A-4-81, S-4x500, 400 mL, lid blue, 2 pcs.	5810729009
<b>MTP/Flex buckets</b> , for Rotors A-4-81, S-4x500, for use with IsoRack and cell culture flask adapters as well as MTP and DWP, 2 pcs.	5810742005
<b>MTP/Flex buckets</b> , for Rotors A-4-81, S-4x500, for use with IsoRack and cell culture flask adapters as well as MTP and DWP, 4 pcs.	5810741009

25 mL snap cap	25 mL screw cap	50 mL screw cap	45 mL snap cap	30 – 50 mL round-bottom/ 50 mL conical, skirted <sup>2)</sup>	180 – 250 mL flat/ 175 – 225 mL conical <sup>3)</sup>	400 mL	500 mL	MTP, DWP, PCR plates
30 mm	30 mm	30 mm	30 mm	30 mm	62 mm	133 mm	83 mm	–
83 mm	78.5 mm	122 mm	122 mm	121 mm	133 mm	–	134 mm	60 mm
83 mm	78.5 mm	116 mm	116 mm	–	–	–	134	–
5/20	5/20	5/20	5/20	5/20	1/4	1/4	–/4	4/16 (MTP) 1/4 (DWP)
	conical			flat with rubber mat	flat with rubber mat	flat, rubber	flat	flat with rubber mat
158 mm	148 mm	173 mm	173 mm	173 mm	173 mm	180 mm	180 mm	163 mm
2,826 × g	2,647 × g	3,100 × g	3,100 × g	3,100 × g	3,100 × g	3,220 × g	3,220 × g	2 900 × g
	2 pcs.			2 pcs.	2 pcs.	2 pcs.	–	2 pcs.
	5810723000			5810739004	5825722000	5810728002	–	5810742005





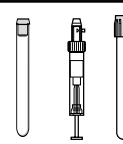
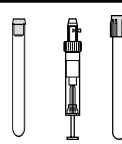
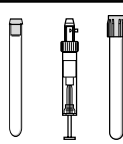
# Rotors for Centrifuge 5910 Ri



## Rotor S-4x400

- > High-speed medium capacity swing-bucket rotor with max. speed  $5,263 \times g$  (5,100 rpm)
- > Broad range of adapters enables high versatility for tubes and bottles from 0.2 mL to 400 mL
- > Aerosol-tight QuickLock caps for safe centrifugation of hazardous samples optionally available<sup>1)</sup>

<sup>1)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK.



### Adapters for Rotor S-4x400

Tube Volume	1.5 mL/2.0 mL	12 mm x 75 mm	4 mL – 8 mL	7.5 mL – 12 mL	9 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 mm
Max. vessel height	39 mm	118 mm	119 mm	122 mm	122 mm	133 mm
Max. vessel height for use with cap/lid <sup>1)</sup>	–	112 mm	105 mm	115 mm	115 mm	126 mm
Adapter						
Number of vessels per adapter/rotor	26/104	17/68	15/60	11/44	8/32	7/28
Bottom shape	open	round	round	round	round	conical
Centrifugation radius	177 mm	172 mm	171 mm	173 mm	173 mm	180 mm
Max. RCF	$5,147 \times g$	$5,002 \times g$	$4,818 \times g$	$4,874 \times g$	$4,874 \times g$	$5,071 \times g$
Packing	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5910708009	5910711000	5910703007	5910704003	5910709005	5910702000

<sup>1)</sup> Please perform a manual test to determine the actual loading capacity.<sup>2)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.<sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000.

<sup>4)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.



### Ordering information

Description	Order no.
<b>Rotor S-4x400</b> , incl. 400 mL round bucket	5895180000
<b>Caps</b> , for Rotor S-4x400, aerosol-tight, 2 pcs.	5910700008
<b>Wide-neck bottle 400 mL</b> , for Rotor S-4x400, 2 pcs.	5910707002

25 mL snap cap <sup>2)</sup>	25 mL screw cap <sup>3)</sup>	50 mL screw cap	45 mL snap cap	50 mL skirted, Centriprep and Oak Ridge 30 mL	175 mL conical (Becton Dickinson®, Nalgene® <sup>4)</sup> ), 250 mL flat	175 – 225 mL conical	400 mL
30 mm	30 mm	30 mm	30 mm	30 mm	62 mm	62 mm	81 mm
83 mm	78.5 mm	125 mm	125 mm	122 mm	138 mm	143 mm	117 mm
83 mm	78.5 mm	117 mm	117 mm	121 mm	129 mm	137 mm	117 mm
4/16	4/16	4/16	4/16	3/12	1/4	1/4	1/4
		conical		skirted	flat	conical	flat
152 mm	142 mm	179 mm	179 mm	170 mm	174 mm	181 mm	173 mm
4,420 × g	4,129 × g	5,043 × g	5,043 × g	4,943 × g	5,060 × g	5,263 × g	5,030 × g
		2 pcs.		2 pcs.	2 pcs.	2 pcs.	2 pcs.
		5910701004		5910712006	5910705000	5910714009	5910706006








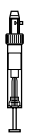


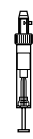


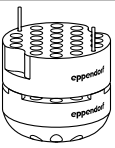
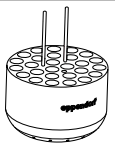
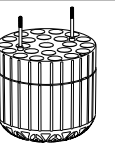
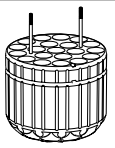

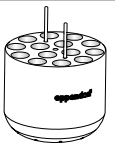
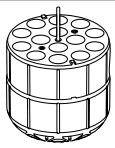
# Rotors for Centrifuge 5910 Ri/5920 R



## Rotor S-4x750 with round buckets

- > Medium capacity swing-bucket rotor with max. speed  $4,800 \times g$  ( $4,700 \text{ rpm}$ )<sup>1)</sup>
- > Broad range of adapters enables high versatility for tubes and flasks from 0.2 mL to 750 mL and plates
- > Mixed loading with 2 plate buckets and 2 round tube buckets allows for increased versatility

<sup>1)</sup> For 100 V device, max. speed  $4,031 \times g$  /  $4,300 \text{ rpm}$

									
<b>Adapters for Rotor S-4x750</b>									
<b>Tube Volume</b>	1.5/2.0 mL	12 x 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
<b>Max. tube diameter</b>	11 mm	12 mm	13 mm	16 mm	17.5 mm	17.5 mm			17 mm
<b>Max. vessel height</b>	39 mm	120 mm	121 mm	125 mm	117 mm	106 mm			125 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	39 mm	113 mm	113 mm	120 mm	112 mm	106 mm			120 mm
<b>Adapter</b>									
<b>Number of vessels per adapter/rotor</b>	50/200	27/108	23/92	20/80	20/80	14/56	14/56		14/56
<b>Bottom shape</b>	flat	round	round	round	round	round	round		conical
<b>Centrifugation radius</b>	194 mm	186 mm	185 mm	186 mm	185 mm	185 mm	185 mm		188 mm
<b>Max. RCF</b>	$4,791 \times g$	$4,594 \times g$	$4,569 \times g$	$4,594 \times g$	$4,569 \times g$	$4,569 \times g$	$4,569 \times g$		$4,643 \times g$
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.		2 pcs.
<b>Order no.</b>	5825740009	5825747003	5825738004	5825736001	5825743008	5825748000	5825734009		5825734009
















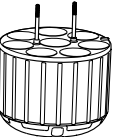
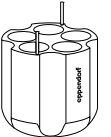
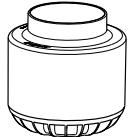



<sup>1)</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke.

<sup>2)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004. <sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>4)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer. <sup>5)</sup> 225 mL conical bottles from BD<sup>®</sup>/Corning<sup>®</sup> and 250 mL conical bottles from Nunc<sup>®</sup> for Rotor S-4-104 and S-4x750.



## Ordering information

Description	Order no.
<b>Rotor S-4x750</b> , aerosol-tight, without buckets	5895121004
<b>Rotor S-4x750</b> , aerosol-tight, incl. round buckets	5895120008
<b>Plate bucket</b> , for Rotor S-4x750, aerosol-tight capable, incl. plate carrier, 2 pcs.	5895125000
<b>Round bucket</b> , for Rotor S-4x750, 2 pcs.	5895123007
<b>Round bucket</b> , for Rotor S-4x750, 4 pcs.	5895122000
<b>Plate bucket</b> , for Rotor S-4x750, aerosol-tight capable, incl. plate carrier, 4 pcs.	5895124003
<b>Caps</b> , rotors S-4-104, S-4x750, plate bucket, aerosol-tight, 2 pcs.	5820748001
<b>Caps for 750 mL/1000 mL</b> , for rotors S-4-104, S-4x750, S-4x1000, aerosol-tight, 2 pcs.	5820747005
<b>Wide-neck bottle 750 mL</b> , for Rotors S-4-104, S-4x750, S-4x1000, 2 pcs.	5820708000

										
25 mL snap cap <sup>2)</sup>	25 mL screw cap <sup>3)</sup>	50 mL screw cap	45 mL snap cap	30 mL	50 mL conical, skirted	250 mL flat, 175 – 225/ 250 mL conical <sup>4)5)</sup>	500 mL Corning®	750 mL	MTP, DWP, PCR plates	
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	119 mm	122 mm	145 mm	147 mm	150 mm	64 mm	
83 mm	78.5 mm	116 mm	116 mm	114 mm	116 mm	125 mm	–	150 mm	47 mm	
										
6/24	7/28	7/28	6/24	8/32	5/20	1/4	1/4	1/4	4/16 (MTP) 1/4 (DWP)	
	conical			flat	conical, skirted	flat	conical	flat	–	
167 mm	157 mm	187 mm	187 mm	181 mm	177 mm	183 mm	186 mm	185 mm	161 mm	
4,124 × g	3,877 × g	4,618 × g	4,618 × g	4,470 × g	4,371 × g	4,519 × g	4,594 × g	4,569 × g	3,976 × g	
	2 pcs.			2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	
	5825733002			5825755006	5825732006	5825741005	5825745000	5825744004	5895125000	





## Rotors for Centrifuge 5920 R



### Rotor S-4xUniversal-Large

- > Extra high capacity swing-bucket rotor with max. speed 4,402 × g (4,250 rpm)
- > Broad range of adapters enables high versatility for tubes and flasks from 0.2 mL to 750 mL and plates
- > Universal bucket design accommodates both plates and tubes

<b>Adapters for Rotor S-4xUniversal-Large</b>	Eppendorf Tubes® 5.0 mL	15 mL conical	MTP, DWP	1.5/2.0 mL	5 mL FACS	25 mL snap cap <sup>1)</sup>	25 mL screw cap <sup>2)</sup>	50 mL screw cap	45 mL snap cap	Microplate 96/384 wells
<b>Tube Volume</b>										
<b>Max. tube diameter</b>	17 mm	17 mm	-	11 mm	12 mm	30 mm	30 mm	30 mm	30 mm	-
<b>Max. vessel height</b>	131 mm	131 mm	45 mm	39 mm	113 mm	131 mm	131 mm	131 mm	131 mm	45 mm
<b>Max. vessel height for use with cap/lid</b>	123 mm	123 mm	45 mm	39 mm	82 mm	125 mm	125 mm	125 mm	125 mm	45 mm
<b>Adapter</b>										
<b>Number of vessels per adapter/rotor</b>	24/96	24/96	2 MTP, 1 DWP	92/368	51/204	10/40	10/40	10/40	10/40	2 MTP, 1 DWP
<b>Bottom shape</b>	conical	conical	skirted	flat	round	conical	conical	conical	conical	skirted
<b>Centrifugation radius</b>	218 mm	218 mm	160 mm	205 mm	205 mm	189 mm	179 mm	213 mm	213 mm	153 mm
<b>Max. RCF</b>	4,402 × g	4,402 × g	3,231 × g	4,140 × g	4,140 × g	3,816 × g	3,614 × g	4,301 × g		3,090 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.				
<b>Order no.</b>	5920757008			5920747002	5920742000	5920756001				

<sup>1)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004. <sup>2)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>3)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.



Guide



25 mL snap cap <sup>1)</sup>	25 mL screw cap <sup>2)</sup>	50 mL screw cap	45 mL snap cap	Microplate 96/384 Wells	250 mL flat, 175-225 mL conical <sup>3)</sup>	2.6 – 8 mL	5.5 – 12 mL	9 mL	14 mL
30 mm	30 mm	30 mm	30 mm	-	62 mm	13 mm	16 mm	17.5 mm	17.5 mm
131 mm	131 mm	131 mm	131 mm	18 mm	133 mm	110 mm	110 mm	136 mm	123 mm
125 mm	125 mm	125 mm	125 mm	-	126 mm	107 mm	106 mm	130 mm	120 mm
10/40	10/40	10/40	10/40	1 MTP	1/4	49/196	37/148	28/112	24/96
conical	conical	conical	conical	skirted	flat	round	round	round	round
107 mm	155 mm	213 mm	213 mm	134 mm	207 mm	205 mm	204 mm	209 mm	210 mm
3,735 × g	3,509 × g	4,301 × g		2,706 × g	4,180 × g	4,140 × g	4,120 × g	4,221 × g	4,240 × g
		2 pcs.				2 pcs.	2 pcs.	2 pcs.	2 pcs.
		5920755005				5920739000	5920738003	5920746006	5920751000



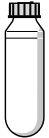


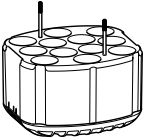
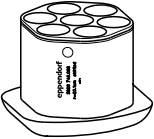
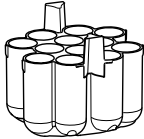
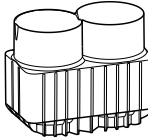
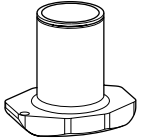






## Rotors for Centrifuge 5920 R






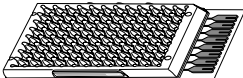
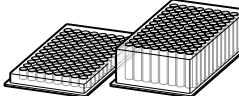
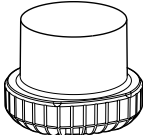
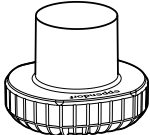
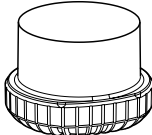


					
<b>Adapters for Rotor S-4xUniversal-Large</b>					
<b>Tube Volume</b>	30 mL	50 mL conical, skirted	50 mL Nalgene® Oak Ridge	250 mL flat, 175 – 225 mL conical <sup>4)</sup>	250 mL conical (Corning®, Nunc®)
<b>Max. tube diameter</b>	25 mm	30 mm	29 mm	62 mm	62 mm
<b>Max. vessel height</b>	117 mm	141 mm	132 mm	133 mm	171 mm
<b>Max. vessel height for use with cap/lid</b>	108 mm	121 mm	121 mm	126 mm	144 mm
<b>Adapter</b>					
<b>Number of vessels per adapter/rotor</b>	12/48	7/28	12/48	2/8	1/4
<b>Bottom shape</b>	flat	conical, skirted	round	flat	conical
<b>Centrifugation radius</b>	194 mm	197 mm	206 mm	203 mm	208 mm
<b>Max. RCF</b>	3,918 × g	3,978 × g	4,160 × g	4,099 × g	4,200 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5920743007	5920748009	5920753002	5920740008	5920750003

<sup>4)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.



## Ordering information

Description	Order no.
<b>Rotor S-4xUniversal-Large</b> , incl. universal buckets	5895190006
<b>Buckets</b> , for Rotor S-4xUniversal-Large, 4 pcs.	5895192009
<b>Caps</b> , Rotor S-4xUniversal-Large, universal buckets, aerosol-tight, 2 pcs.	5920752006

				
500 mL conical Corning®	500 mL flat Nalgene®	750 mL	Micro Fluidic Cards	MTP, DWP, PCR plates
96 mm	69.5 mm	102 mm	–	–
160 mm	168 mm	166 mm	153 mm	116 mm
148 mm	143 mm	143 mm	–	110 mm
				
1/4	1/4	1/4	3/12	5/20 (MTP) 2/8 (DWP)
conical	flat	flat	flat	flat
208 mm	206 mm	202 mm	200 mm	196 mm
4,200 × g	4,160 × g	4,079 × g	4,039 × g	3,938 × g
2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
5920744003	5920745000	5920741004	5920749005	5920737007




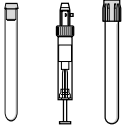
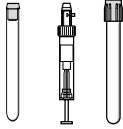

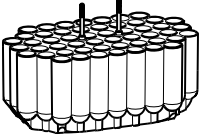
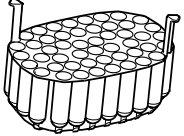
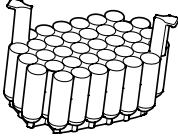
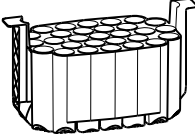


# Rotors for Centrifuge 5920 R



## Rotor S-4x1000 high-capacity buckets

- > Extra high capacity swing-bucket rotor with max. speed 3,153 x g (3,700 rpm)
- > Bucket accommodates both plates and tubes
- > Buckets and adapters are autoclavable

				
<b>Adapters for Rotor S-4x1000 high-capacity buckets</b>				
<b>Tube Volume</b>	5 mL FACS	2.6 – 8 mL	5.5 – 12 mL	9 mL
<b>Max. tube diameter</b>	12 mm	13 mm	16 mm	17.5 mm
<b>Max. vessel height</b>	108 mm	107 mm	107 mm	129 mm
<b>Adapter</b>				
<b>Number of vessels per adapter/rotor</b>	52/208	49/196	36/144	29/116
<b>Bottom shape</b>	round	round	round	round
<b>Centrifugation radius</b>	204 mm	204 mm	199 mm	204 mm
<b>Max. RCF</b>	3,122 x g	3,122 x g	3,046 x g	3,122 x g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5920724002	5920718002	5920720007	5920722000

<sup>1)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.<sup>2)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000.<sup>3)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer.



## Ordering information

Description	Order no.
<b>Rotor S-4x1000</b> , incl. high-capacity buckets	5895118003
<b>High-Capacity bucket</b> , Rotor S-4x1000, 2 pcs.	5895107001
<b>High-Capacity bucket</b> , for Rotor S-4x1000, 4 pcs.	5895106005

Eppendorf Tubes® 5.0 mL and 15 mL conical	25 mL snap cap <sup>1)</sup>	25 mL screw cap <sup>2)</sup>	50 mL screw cap	250 mL flat, 175 – 225 mL conical <sup>3)</sup> and Nunc® 250 mL conical	MTP, DWP, PCR plates
17 mm	30 mm	30 mm	30 mm	62 mm	–
121 mm	83 mm	78.5 mm	116 mm	148 mm	88 mm
27/108	12/48	13/52	13/52	2/8	6/24 (MTP) 2/8 (DWP)
conical		conical		flat	flat
205 mm	179 mm	169 mm	206 mm	200 mm	185 mm
3,138 × g	2,739 × g	2,586 × g	3,153 × g	3,061 × g	2,832 × g
2 pcs.		2 pcs.		2 pcs.	2 pcs.
5920716000		5920715003		5920717006	5920729004





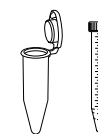
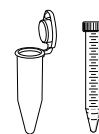
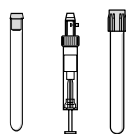
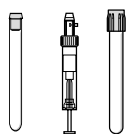
# Rotors for Centrifuge 5920 R



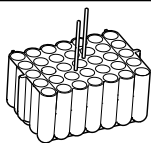
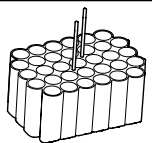
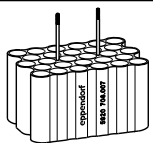
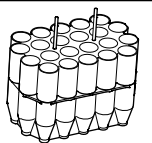
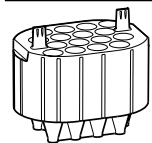
## Rotor S-4x1000 plate/tube buckets

- > High capacity swing-bucket rotor with max. speed  $3,076 \times g$  (3,700 rpm)
- > Bucket accommodates both plates and tubes
- > Aerosol-tight QuickLock caps for safe centrifugation of hazardous samples optionally available<sup>1)</sup>

<sup>1)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK.



### Adapters for Rotor S-4x1000 plate/tube buckets










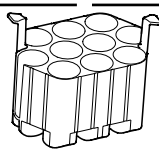
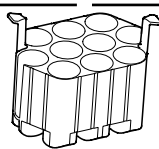
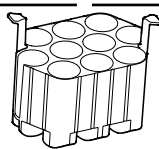
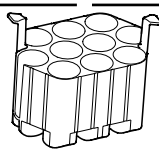
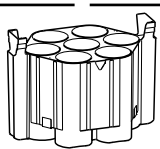
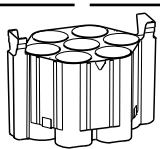
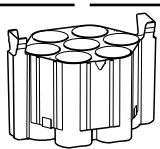
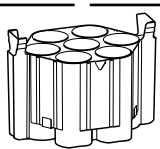

Tube Volume	2.6 – 8 mL	5.5 – 12 mL	9 mL	Eppendorf Tubes® 5.0 mL and 15 mL conical	Eppendorf Tubes® 5.0 mL and 15 mL conical
Max. tube diameter	13 mm	16 mm	17.5 mm	17 mm	17 mm
Max. vessel height	109 mm	109 mm	109 mm	121 mm	123 mm
Max. vessel height for use with cap/lid <sup>1)</sup>	108 mm	108 mm	109 mm	–	121 mm
Adapter					
Number of vessels per adapter/rotor	35/140	33/132	28/112	22/88	16/64
Bottom shape	round	round	round	conical	conical
Centrifugation radius	201 mm	200 mm	200 mm	201 mm	201 mm
Max. RCF	$3,076 \times g$	$3,061 \times g$	$3,061 \times g$	$3,076 \times g$	$3,076 \times g$
Packing	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
Order no.	5920706004	5920707000	5920708007	5920710001	5920712004

<sup>1)</sup> Please perform a manual test to determine the actual loading capacity.<sup>2)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000.<sup>3)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.



### Ordering information

Description	Order no.
<b>Rotor S-4x1000</b> , aerosol-tight, incl. plate/tube buckets	5895117007
<b>Caps</b> , Rotor S-4x1000: plate/tube bucket; Rotor S-4x750: plate bucket, aerosol-tight, 2 pcs.	5895111009
<b>Plate carrier</b> , for Rotor S-4x1000 with plate/tube buckets, 2 pcs.	5920705008
<b>Plate/tube bucket</b> , for Rotor S-4x1000, 4 pcs.	5895104002
<b>Plate/tube bucket</b> , for Rotor S-4x1000, 2 pcs.	5895105009

								
25 ml screw cap <sup>2)</sup>	25 ml snap cap <sup>3)</sup>	50 mL screw cap	45 mL snap cap	25 mL screw cap <sup>2)</sup>	25 mL snap cap <sup>3)</sup>	45 mL snap cap	50 mL screw cap	MTP, DWP, PCR plates
30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	30 mm	-
78.5 mm	83 mm	121 mm		78.5 mm	83 mm	121 mm	121 mm	104 mm
-	-	-		78.5 mm	83 mm	121 mm	121 mm	91 mm
								
10/40	9/36	10/40	9/36	7/28	6/24	6/24	7/28	7/28(MTP) 2/8(DWP)
		conical				conical		flat
165 mm	175 mm	201 mm		166 mm	107 mm	201 mm	201 mm	198 mm
2,525 x g	2,678 x g	3,076 x g		2,540 x g	2,693 x g	3,076 x g	3,076 x g	3,030 x g
		2 pcs.				2 pcs.		2 pcs.
		5920709003				5920711008		5920705008







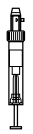



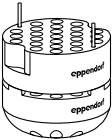
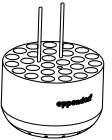
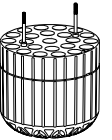
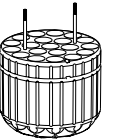

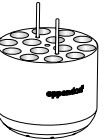
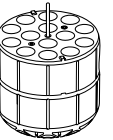


## Rotors for Centrifuge 5920 R



### Rotor S-4x1000 round buckets

- > Medium capacity swing-bucket rotor with max. speed 3,428 × g (3,700 rpm)
- > Broad range of adapters enables high versatility for tubes and flasks from 0.2 mL to 1,000 mL
- > Mixed loading with 2 plate buckets and 2 round tube buckets allows for increased versatility







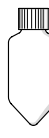

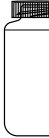
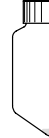



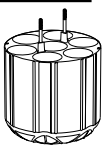

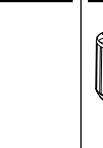
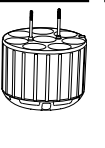
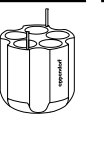





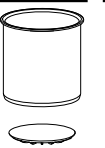
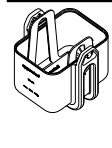
								
<b>Adapters for Rotor S-4x1000 round buckets</b>								
<b>Tube Volume</b>	1.5/2.0 mL	12 × 75 mm, 5 mL FACS	2.6 – 8 mL	5.5 – 12 mL	9 mL	14 mL	Eppendorf Tubes® 5.0 mL and 15 mL conical	25 mL snap cap <sup>2)</sup>
<b>Max. tube diameter</b>	11 mm	12 mm	13 mm	16 mm	17.5 mm	17.5 mm	17 mm	30 mm
<b>Max. vessel height</b>	39 mm	115 mm	121 mm	140 mm	117 mm	117 mm	161 mm	83 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	39 mm	108 mm	113 mm	140 mm	112 mm	112 mm	150 mm	83 mm
<b>Adapter</b>								
<b>Number of vessels per adapter/rotor</b>	50/200	27/108	23/92	20/80	20/80	14/56	14/56	6/24
<b>Bottom shape</b>	flat	round	round	round	round	round	conical	conical
<b>Centrifugation radius</b>	219 mm	211 mm	210 mm	211 mm	210 mm	210 mm	224 mm	107 mm
<b>Max. RCF</b>	3,352 × g	3,229 × g	3,214 × g	3,229 × g	3,214 × g	3,214 × g	3,428 × g	2,005 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5825740009	5825747003	5825738004	5825736001	5825743008	5825748000	5825734009	

<sup>1)</sup> Exceeding the maximum tube length may reduce the loading capacity of the rotor. Please perform a manual swing-out test before starting the centrifuge run to make sure the tubes do not hit the rotor yoke. <sup>2)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004. <sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>4)</sup> Please note that these conical bottles need to be used together with a conical form insert provided by the manufacturer. <sup>5)</sup> 225 mL conical bottles from BD®/Corning® and 250 mL conical bottles from Nunc® for Rotor S-4-104 and S-4x750.



## Ordering information

Description	Order no.
Round bucket, for Rotor S-4x1000, 2 pcs.	5895103006
Round bucket, for Rotor S-4x1000, 4 pcs.	5895102000
Rotor S-4x1000 round buckets, aerosol-tight, incl. 4 × 1,000 mL round buckets	5895100007
Caps for 750 mL/1000 mL, for rotors S-4-104, S-4x750, S-4x1000, aerosol-tight, 2 pcs.	5820747005
Wide-neck bottle 750 mL, for Rotors S-4-104, S-4x750, S-4x1000, 2 pcs.	5820708000

												
25 mL screw cap <sup>3)</sup>	50 mL screw cap	45 mL snap cap	30 mL	50 mL conical, skirted	250 mL flat, 175 – 225/250 mL conical <sup>4)5)</sup>	500 mL Corning®	500 mL Nalgene®	600 mL TPP	750 mL	1 Liter Nalgene®	MTP, DWP, PCR plates	
30 mm	30 mm	30 mm	25 mm	30 mm	62 mm	96 mm	69.5 mm	98 mm	102 mm	98 mm	–	
78.5 mm	156 mm	156 mm	144 mm	151 mm	176 mm	167 mm	183 mm	181 mm	150 mm	196 mm	104 mm	
78.5 mm	150 mm	150 mm	139 mm	147 mm	156 mm	167 mm	183 mm	181 mm	150 mm	–	91 mm	
												
7/28	7/28	6/24	8/32	5/20	1/4	1/4	1/4	1/4	1/4	1/4	7/28 (MTP) 2/8 (DWP)	
conical	conical	conical	flat	conical, skirted	flat	conical	flat	conical	flat	flat	flat	
121 mm	223 mm	223 mm	212 mm	209 mm	214 mm	218 mm	221 mm	224 mm	216 mm	218 mm	198 mm	
1,852 × g	3,413 × g	3,413 × g	3,245 × g	3,199 × g	3,275 × g	3,336 × g	3,382 × g	3,428 × g	3,306 × g	3,336 × g	3,030 × g	
2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	
5825733002			5825755006	5825732006	5825741005	5825745000	5920703005	5920701002	5825744004	5920700006	5895105009	







## Overview of Fixed-Angle Rotors Centrifuge 59xx Family



Model	Rotor FA-6x250	Rotor FA-6x50	Rotor FA-20x5
<b>Description</b>	Processing of cells in higher volumes at high speed	Molecular biology applications in tubes up to 50 mL	Applications in Eppendorf Tubes® 5.0 mL
5910 Ri	■	■	■
5920 R	■	■	■
<b>Aerosol-tightness</b>	yes	yes	yes
<b>Max. capacity</b>	6 × 250 mL	6 × 50 mL	20 × 5 mL
<b>Max. RCF</b>	15,054 × g	20,130 × g	20,913 × g
<b>Max. speed</b>	10,100 rpm	12,100 rpm	13,100 rpm
<b>1.5/2.0 mL micro tube</b>		6	20
<b>Eppendorf Tubes® 5.0 mL and 15 mL conical</b>	24	6	20/0
<b>25 mL conical tubes</b>	6 <sup>1)2)</sup>	6 <sup>3)4)</sup>	
<b>50 mL conical tubes</b>	6	6	
<b>85 mL Oakridge tubes</b>	6		
<b>250 mL conical tubes</b>	6		

<sup>1)</sup> Screw cap tubes only. <sup>2)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>4)</sup> Please order adapter for 25 mL conical tubes snap cap 5820733004.

## Advanced Rotor Design



Cross section of Rotor FA-6x50 (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.

### 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.

**Rotor FA-48x2**

Aerosol-tight microcentrifuge tube rotor

■
■
yes
48 × 2 mL
21,194 × g (5920 R) / 22,132 × g (5910 Ri)
13,700 rpm (5920 R) / 14,000 rpm (5910 Ri)
48

**Rotor FA-30x2**

Aerosol-tight microcentrifuge tube rotor for safe centrifugation of hazardous samples

■
-
yes
30 × 2 mL
20,984 × g
13,700 rpm
30

**Rotor F-48x15**

High-capacity fixed-angle rotor for 15 mL conical and glass tubes

■
-
40 × 15 mL
5,005 × g
5,500 rpm
0/40

**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 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.

**Perfect fit with Eppendorf Conical Tubes 15 mL and 50 mL**

The Eppendorf Conical Tubes are characterized by an outstanding centrifugation stability of up to 19,500 × g<sup>1)</sup>. This makes them suited for a broad range of applications.

<sup>1)</sup> Test conditions: Rotor FA-45-6-30 in Eppendorf Centrifuge 5810 R (using a suitable centrifuge adapter for 15 mL tube), sample: Saline solution (density: 1.0 g/mL), controlled centrifugation temp.: 25 °C, centrifugation time: 90 min (SnapTec® tube: 17,000 × g max.)





# Rotors for Centrifuge 5910 Ri/5920 R



## Rotor FA-6x250

- > Fixed-angle rotor for up to 6 x 250 mL bottles<sup>1)</sup>
- > Ideal for the pelleting of microorganisms and mammalian cells
- > 12 different adapters for broad range of additional applications

<sup>1)</sup> To run this rotor, a software update is required for earlier centrifuges (5910 R & 5920 R). Please contact your local Eppendorf organization or dealer for further information.

### Ordering information

Description	Order no.
Rotor FA-6x250, aerosol-tight, for 6 x 250 mL bottles, incl. Eppendorf QuickLock® rotor lid	5895175007

<b>Adapters for Rotor FA-6x250</b>								
<b>Tube Volume</b>	5 mL	2.6 – 8.0 mL	5.5 – 12.0 mL	9 mL	Eppendorf Tubes® 5.0 mL and 15 mL	25 mL screw cap <sup>2)</sup>	50 mL screw cap	45 mL snap cap
<b>Max. tube diameter</b>	12 mm	13 mm	16 mm	17.5 mm	17 mm	30 mm	30 mm	30 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	114 mm	114 mm	115 mm	112 mm	122 mm	78.5 mm	125 mm	125 mm
<b>Adapter</b>								
<b>Number of vessels per adapter/rotor</b>	9/54	8/48	7/42	7/42	4/24	1/6	1/6	1/6
<b>Bottom shape</b>	round	round	round	round	conical		conical	
<b>Centrifugation radius</b>	126 mm	125 mm	125 mm	126 mm	120 mm	95 mm	110 mm	110 mm
<b>Max. RCF</b>	14,370 × g	14,256 × g	14,256 × g	14,370 × g	13,686 × g	10,834 × g	12,545 × g	12,545 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.		2 pcs.	
<b>Order no.</b>	5920765000	5920763008	5920762001	5920764004	5920761005		5920760009	

<sup>1)</sup> Please perform a manual test to determine the actual loading capacity. <sup>2)</sup> Please order adapter for 25 mL conical tubes screw cap 5820734000. <sup>3)</sup> 175 mL conical bottles from BD/Corning® (352076). Please note that these conical bottles need to be used together with a conical form insert provided by the bottle manufacturer. <sup>4)</sup> 250 mL flat bottom bottles from Nalgene® (3127-0250, 3122-0250, 3120-0250) and Corning® (431841, 431842). When used with wide lid 250 mL flat bottom bottle from Nalgene® (3140-0250) max. capacity is reduced to 4 x 250 mL.



50 mL	10 mL	16 mL	30 mL	50 mL	85 mL	175 mL <sup>3)</sup>	250 mL <sup>4)</sup>
30 mm	17 mm	18 mm	26 mm	29 mm	38 mm	62 mm	62 mm
125 mm	115 mm	115 mm	116 mm	125 mm	118 mm	118 mm	135 mm
1/6	7/42	7/42	3/18	1/6	1/6	1/6	1/6
conical, skirted	round	round	round	round	round	conical	flat
108 mm	126 mm	126 mm	125 mm	111 mm	113 mm	132 mm	132 mm
12,317 × g	14,370 × g	14,370 × g	14,256 × g	12,659 × g	12,887 × g	15,054 × g	15,054 × g
2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	-	-
5920766007	5920769006	5920770004	5920767003	5920771000	5920768000	Conical form insert required <sup>3)</sup>	No adapter required <sup>4)</sup>





# Rotors for Centrifuge 5910 Ri/5920 R



## Rotor FA-6x50

- > High-speed rotor for applications in tubes from 5 – 50 mL
- > Max. speed 20,130 × g (12,100 rpm)
- > Eppendorf QuickLock® rotor lid for fast lid locking

### Ordering information

#### Description

Rotor FA-6x50, aerosol-tight, incl. rotor lid, 6 × 50 mL conical tubes

#### Order no.

5895150004

<b>Adapters for Rotor FA-6x50</b>						
<b>Tube Volume</b>	2.6 – 5 mL	4 – 8 mL	5.5 – 10 mL	7.5 – 12 mL	Eppendorf Tubes® 5.0 mL	7 – 17 mL
<b>Max. tube diameter</b>	13 mm	13 mm	16 mm	16 mm	17 mm	17.5 mm
<b>Max. vessel height for use with cap/lid</b>	119 mm	119 mm	119 mm	119 mm	121 mm	112 mm
<b>Adapter</b>						
<b>Number of vessels per adapter/rotor</b>	1/6	1/6	1/6	1/6	1/6 <sup>1)</sup>	1/6
<b>Bottom shape</b>	round	round	round	round	conical	round
<b>Centrifugation radius</b>	120 mm	120 mm	120 mm	120 mm	121 mm	120 mm
<b>Max. RCF</b>	19,642 × g	19,642 × g	19,642 × g	19,642 × g	19,806 × g	19,642 × g
<b>Packing</b>	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
<b>Order no.</b>	5820726008	5820725001	5820728000	5820727004	5820730005	5820729007

<sup>1)</sup> Eppendorf Tubes® 5.0 mL with screw cap will not fit in this adapter.



## Eppendorf Tubes® BioBased

- > Tubes are made from 90 % renewable-based feedstock plus 10 % fossil-based feedstock
- > ACT labeled – Environmental Impact Factor Certification
- > “Certified ISCC PLUS Manufacturer” (International Sustainability & Carbon Certification)
- > General Quality Certificates / Compliance with Standards, lot-specific certificates available
- > Eppendorf Tubes® in 5.0 mL, 15 mL, 25 mL and 50 mL in Sterile (sterile, pyrogen-free, DNase- / RNase-free, DNA (human and bacterial) free)

[For more information go to chapter “tubes and plates”.](#)



15 mL	16 mL	30 mL	25 mL snap cap	25 mL screw cap	35 mL	50 mL screw cap	45 mL snap cap
17 mm	18 mm	26 mm	30 mm	30 mm	29 mm	30 mm	30 mm
121 mm	107 mm	104 mm	83 mm	78.5 mm	113 mm	116 mm	118 mm
1/6	1/6	1/6	1/6	1/6	1/6	-/6	-/6
conical	round	round	conical	conical	conical	conical	conical
120 mm	120 mm	105 mm	104 mm	97 mm	112 mm	123 mm	123 mm
19,642 × g	19,642 × g	17,187 × g	17,023 × g	15,877 × g	18,333 × g	20,133 × g	20,133 × g
2 pcs.	2 pcs.	2 pcs.	6 pcs.	6 pcs.	2 pcs.	-	-
5820717009	5820720000	5820721006	5820733004	5820734000	5820722002	-	-





## Rotors for Centrifuge 5910 Ri/5920 R



### Rotor FA-20x5

- > 20 places for Eppendorf Tubes® 5.0 mL<sup>1)</sup>
- > Max. speed: 20,913 × g (13,100 rpm)
- > Aerosol-tight<sup>2)</sup> Eppendorf QuickLock® rotor lid

<sup>1)</sup> For Eppendorf Tubes® 5.0 mL with screw cap the capacity is limited to 10 tubes.

<sup>2)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK.

#### Ordering information

Description	Order no.
<b>Rotor FA-20x5</b> , aerosol-tight, for 20 Eppendorf Tubes® 5.0 mL, incl. Eppendorf QuickLock® rotor lid	5895130003
<b>Adapter</b> , for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, 4 pcs.	5820768002
<b>Adapter</b> , for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.	5820769009
<b>Adapter</b> , for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.	5820770007



### Rotor FA-48x2

- > 48 places for 1.5/2.0 mL tubes
- > Max. speed: 21,194 × g/13,700 rpm (5920 R) / 22,132 × g / 14,000 rpm (5910 Ri)
- > Eppendorf QuickLock® rotor lid for fast lid locking

#### Ordering information

Description	Order no.
<b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425715005
<b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425716001
<b>Rotor FA-48x2</b> , 48 × 1.5/2 mL tubes, incl. aerosol-tight Eppendorf QuickLock® rotor lid	5895135005
<b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.	5425717008



### Rotor F-48x15

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

#### Ordering information

Description	Order no.
<b>Rotor F-48x15</b> , for 40 × 15 mL conical tubes, incl. 48 steel sleeves and adapters	5895160000



## Rotors for Centrifuge 5910 Ri



### Rotor FA-30x2

- > 30 places for 1.5/2.0 mL tubes
- > Max. speed: 20,984 × g (max. 13,700 rpm)
- > Eppendorf QuickLock® rotor lid for fast lid locking

### Ordering information

#### Description

**Rotor FA-30x2**, incl. aerosol-tight Eppendorf QuickLock® rotor lid

#### Order no.

5895155006

## Mobile Tables



### Description

Is space a limited resource in your lab or are you looking for an ergonomic location for your Eppendorf tabletop centrifuge? The new Eppendorf Mobile Tables save precious benchtop space and provide the freedom and flexibility to use your Centrifuge 5804/5804 R, 5810/5810 R, 5910 Ri or 5920 R wherever you need it.

### Product features

- > Designed for Centrifuge 5804/5804 R, 5810/5810 R, 5910 R/5910 Ri, 5920 R
- > Save precious benchtop space
- > Sturdy design for safe centrifugation

### Ordering information

#### Description

**Mobile table for under bench storage (low design)**, fits under standard 90 cm lab bench with centrifuge lid closed

for Centrifuge 5804/5804 R, 5810/5810 R, 5910 R, 5910 Ri and 5920 R

#### Order no.

5921000010

**Mobile table for ergonomic loading and unloading (high design)**, fits in any empty floor space

for Centrifuge 5804/5804 R, 5810/5810 R, 5910 R, 5910 Ri and 5920 R

5921000012







# Concentrator plus



## Description

With its advanced heating technology, the Eppendorf Concentrator plus facilitates fast and efficient, gentle vacuum concentration of DNA, RNA, nucleotides, proteins and other liquid or wet samples. Its new coated lid provides superior chemical resistance against many acids and organic solvents.

## Product features

- > Comes in 3 system configurations
- > Extremely quiet operation <50 dB(A)
- > Chemical-resistant, maintenance-free PTFE diaphragm pump eliminates the need for changing pump oil

## Technical specifications

Model	Concentrator plus basic	Concentrator plus system	Concentrator plus system w/port
Vacuum		20 hPa (20 mbar)	20 hPa (20 mbar)
Sample capacity	max. 144 vessels/2 microplates	max. 144 vessels/2 microplates	max. 144 vessels/2 microplates
Fixed speed	1,400 rpm	1,400 rpm	1,400 rpm
Tube volume	0.2 – 50 mL	0.2 – 50 mL	0.2 – 50 mL
Port to connect external devices to vacuum pump	no	no	yes
Power supply	230 V, 50 – 60 Hz	230 V, 50 – 60 Hz	230 V, 50 – 60 Hz
Max. power consumption	150 W	350 W	350 W
Dimensions (W × D × H)	33 × 37 × 23 cm / 12.6 × 14.5 × 9.1 in	33 × 58 × 29 cm / 12.6 × 20.9 × 11.7 in	33 × 58 × 29 cm / 12.6 × 20.9 × 11.7 in
Weight w/o accessories	16.5 kg / 37.5 lb	31.5 kg / 68.3 lb	31.5 kg / 68.3 lb

## Ordering information

Description	Order no.
<b>Concentrator plus basic device, w/o pump, with Rotor F-45-48-11</b> 230 V/50 – 60 Hz (EU)	5305000100
<b>Concentrator plus complete system, with integrated diaphragm vacuum pump</b> with Rotor F-45-48-11, 230 V/50 – 60 Hz (EU)	5305000304
without rotor, 230 V/50 – 60 Hz (EU)	5305000509
<b>Concentrator plus complete system, with integrated diaphragm vacuum pump, with connection, e.g., for a gel dryer</b> without rotor, 230 V/50 – 60 Hz (EU)	5305000703
<b>Adapter, for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.</b>	5425715005
<b>Adapter, for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.</b>	5425716001
<b>CombiSlide Adapter, for 12 slides Combi Slide, for Rotors A-2-MTP and A-4-81 (MTP), 2 pcs.</b>	5825706005
<b>Adapter, for 1 PCR tube 0.2 mL, for Rotor F-45-72-8, 6 pcs.</b>	5425723008
<b>Spacer for simultaneous operation of two rotors, for rotors F-45-72-8 and F-45-48-11</b>	5301316005
<b>Adapter, for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.</b>	5425717008

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.



## Rotors for Concentrator plus



### Rotor F-45-48-11

- > Rotor for 48 × 1.5/2.0 mL microcentrifuge tubes
- > A spacer enables additional stacking (double capacity)



### Rotor F-35-6-30

- > Rotor for 6 × 50 mL conical tubes
- > Rotor for 6 × 15 mL conical tubes
- > Also accommodates for 6 × 25 mL conical tubes



### Rotor A-2-VC

- > For use with MTP, PCR and Deepwell Plates up to 27 mm high
- > A work tray with frame is available for PCR test plates and microplates without frames
- > Rotor can be autoclaved for 20 min. at 121°C



### Rotor F-45-22-17

- > Max. load: 22 × 5.0 mL
- > Tube Options: Snap caps and screw caps
- > Tube diameter: 17 mm

### Ordering information

	Description	Max. tube dimensions Ø x L	Sample capacity	Order no.
	Rotor F-45-72-8	8 × 31 mm <sup>1)</sup>	72 × 0.5 mL	5490034007
	Rotor F-45-70-11	11 × 41/47 mm	70 × 1.5 mL, 70 × 2.0 mL	5490032004
	Rotor F-45-48-11	11 × 41/47 mm <sup>1)</sup>	48 × 1.5 mL/2.0 mL	5490030001
	Rotor F-45-22-17	17 × 59.4-67.4 mm	22 × 5.0 mL	5490048008
	Rotor F-40-36-12	12 × 32 mm	36 × 1.5 mL	5490040007
	Rotor F-45-36-15	15 × 45 – 48 mm <sup>2)</sup>	36 × 3.0/5.0 mL	5490035003
	Rotor F-45-16-20	20 × 42 – 55 mm <sup>2)</sup>	16 × 6.5/10 mL	5490043006
	Rotor F-40-18-19	19 × 66 mm	18 × 10 mL	5490037006
	Rotor F-45-12-31	31 × 55 mm	12 × 20 mL	5490044002
	Rotor F-35-8-24	24 × 86 – 105 mm <sup>2)</sup>	8 × 25 mL	5490039009
	Rotor F-45-24-12	12 × 67 – 100 mm <sup>2) 3)</sup>	24 × 5 – 7 mL	5490036000
	Rotor F-50-8-16	16 × 105 – 120 mm <sup>2)</sup>	8 × 8 – 12 mL	5490041003
	Rotor F-50-8-18	18 × 105 – 128 mm <sup>2)</sup>	8 × 10 – 18 mL	5490042000
	Rotor F-45-8-17	17 × 116 – 123 mm <sup>2)</sup>	8 × 15 mL conical tubes	5490038002
	Rotor F-35-6-30	17 × 116 – 123 mm or 30 × 116 – 123 mm <sup>2)</sup>	6 × 15 mL conical tubes or 6 × 50 mL conical tubes	5490047001
	Rotor A-2-VC	128 × 86 × 27 mm	2 × MTP or skirted PCR plates 2 × Deepwell plates (DWP) (max. height = 27 mm)	5490045009

<sup>1)</sup> Rotor is stackable for double capacity using spacer 5301316.005. <sup>2)</sup> Min./max. tube length. <sup>3)</sup> Tube length = 75 mm: max capacity 24 tubes, tube length > 75 mm: max capacity 12 tubes.





# High-Speed Centrifuge CR22N



Whether your work requires harvesting of biomass in volumes of up to 6 L per run, pelleting of cells, subcellular organelles or larger viruses, or extraction, precipitation, concentration and purification of nucleic acids in up to 50 mL tubes, the Centrifuge CR22N is the optimal solution to support your everyday centrifugation tasks.

- > Speeds of up to 58,700 x g (fixed-angle) or 11,500 x g (swing-bucket) support applications in genomics, cell biology and proteomics
- > Unique 1.5 L triangular bottle for easy and time efficient harvesting of cells, yeast and bacterial cultures (up to 15,100 x g)
- > Large touchscreen interface for fast and easy operation
- > User management and documentation function supports labs working in a GxP environment
- > Self-locking rotor system for increased safety and convenience

## Ordering information

Description	Order no.
<b>High-Speed Centrifuge CR22N</b> , refrigerated, 230 V/50/60 Hz (no plug), 30 A	5721220012
<b>CR22N Harvesting Bundle (4 x 1.5 L)</b> , refrigerated, High-Speed Centrifuge CR22N incl. rotor R9A2 and 4 x 1.5 L triangular bottles, 230 V/50/60 Hz (no plug), 30 A	5721261412

✎ Ordering information for other voltage options can be found in the "Voltage Version" chapter.

Inquire with our service experts to install your fitting plug



## Unique 1.5 L Triangular Bottle – Spinning Made Easy



Gain great flexibility and save precious time with our innovative triangular bottles:

- > No minimum filling level. Spin samples between 0 – 1.5 L without worrying about bottle stability
- > Reduces handling steps during the separation process such as balancing, supernatant harvesting, pellet recovery and cleaning of bottles after the run

### Ordering information

Description	Order no.
<b>Rotor R9A2</b> , fixed-angle rotor, incl. 4 x 1500PP bottle (WM), for Centrifuge CR22N	5721221014
<b>Rotor R9A2</b> , fixed-angle rotor, incl. 4 x 1500PP bottle (WM), for Centrifuge CR30NX	5721302115

Learn more about the benefits of our unique 1.5 L triangular bottle



[www.eppendorf.link/triangular-bottle](http://www.eppendorf.link/triangular-bottle)





## Rotors for Centrifuge CR22N

Product Name	Max. capacity	Max. speed	Max. RCF
<b>fixed-angle rotor</b>			
Rotor R9A2	4 x 1,500 mL	8,500 rpm	15,100 × g
Rotor R9A	4 x 1,000 mL	9,000 rpm	15,300 × g
Rotor R10A3	6 x 500 mL	10,000 rpm	18,800 × g
Rotor R10A5	6 x 500 mL	10,000 rpm	18,900 × g
Rotor R12A3	6 x 250 mL	12,000 rpm	23,800 × g
Rotor R12A4	72 x 2 mL	12,000 rpm	23,800 × g
Rotor R12A6	4 x 500 mL	12,000 rpm	22,500 × g
Rotor R13A	6 x 250 mL	13,000 rpm	26,400 × g
Rotor R14A	4 x 250 mL	14,000 rpm	30,240 × g
Rotor R14A3	10 x 100 mL	14,000 rpm	29,100 × g
Rotor R15A	10 x 50 mL	15,000 rpm	32,300 × g
Rotor R18A	8 x 50 mL	18,000 rpm	42,200 × g
Rotor R19A	6 x 80 mL	19,000 rpm	45,600 × g
Rotor R20A2	8 x 50 mL	20,000 rpm	48,000 × g
Rotor R21A	16 x 11 mL	21,000 rpm	53,250 × g
Rotor R21A2	6 x 30 mL	21,000 rpm	50,000 × g
Rotor R22A	18 x 7 mL	22,000 rpm	54,700 × g
Rotor R22A4	30 x 2 mL	22,000 rpm	55,200 × g
Rotor R22A6	12 x 10 mL	22,000 rpm	55,100 × g
Rotor R27A	8 x 50 mL	22,000 rpm	58,700 × g
<b>special seal type fixed-angle rotor</b>			
Rotor R8AY	6 x 500 mL	8,000 rpm	12,000 × g
Rotor R12AY	4 x 250 mL	12,000 rpm	22,200 × g
Rotor R16AY	6 x 80 mL	16,000 rpm	32,300 × g
Rotor R18AY	8 x 50 mL	18,000 rpm	38,800 × g
<b>swing-bucket rotor</b>			
Rotor R3S	4 x 500 mL	3,000 rpm	1,940 × g
Rotor R4SS	40 x 15 mL	4,000 rpm	2,900 × g
Rotor R5S4	NA	4,700 rpm	3,100 × g
Rotor R6S		5,700 rpm	5,010 × g
Rotor R8S	4 x 50 mL	8,000 rpm	11,500 × g
Rotor R10S	4 x 50 mL	10,000 rpm	16,470 × g
Rotor R15S3	4 x 12 mL	15,000 rpm	28,700 × g
<b>horizontal rotor</b>			
Rotor R10H	NA	10,000 rpm	13,000 × g
<b>soil dehydration rotor</b>			
Rotor R11D2	4 x 110 mL	11,000 rpm	15,800 × g

The maximum capacity refers to the nominal volume. The maximum filling volume may depend on the application, rotor and speed. Please consult with your sales representative for further details.



Separation example	Included tube/ bottle	Order no.
For harvesting of bacteria, cells or yeast for e.g. recombinant protein or antibody purification in easy to handle bottles with 4 x 1.5 L.	4 x 1500PP bottle (WM)	5721221014
For harvesting of bacteria, cells or yeast for e.g. recombinant protein or antibody purification in bottles with 4 x 1 L.	4 x 1000PP bottle (WM)	5721221015
For harvesting of bacteria, cells or yeast for e.g. recombinant protein purification or cell compartment purification in 6 x 500 mL bottles.	6 x 500PP bottle	5721221013
For harvesting of bacteria, cells or yeast for e.g. recombinant protein purification or cell compartment purification in 6 x 500 mL Nalgene® bottles.		5721221012
For harvesting of bacteria, cells or yeast for e.g. recombinant protein or cell compartment purification in 6 x 250 mL bottles.	6 x 250PP bottle	5721221011
		5721221106
For harvesting of bacteria, cells or yeast for e.g. recombinant protein purification or cell compartment purification in 4 x 500 mL Nalgene® bottles.	4 x 500PP bottle	5721221010
Lighter Rotor for harvesting of bacteria, cells or yeast and removing cellular debris for e.g. recombinant protein or cell compartment purification in 6 x 250 mL bottles.	6 x 250PP bottle	5721221009
For harvesting of bacteria, cells or yeast and removing cellular debris for e.g. recombinant protein or cell compartment purification in 4 x 250 mL bottles.	4 x 250PP bottle	5721221008
	80PP bottle	5721221105
For removing cellular debris or differential pelleting of subcellular organelles/compartments in conical tubes with 10 x 50 mL.	100 x 50TC tube and 100 x 15TC tube	5721221007
For fast removal of cellular debris or differential pelleting of subcellular organelles/compartments in conical tubes with 8 x 50 mL.	100 x 50TC tube	5721221006
Ideal for differential pelleting of cells and subcellular organelles, as well as the extraction, precipitation, concentration and purification of nucleic acids	6 x 80PP bottle	5721221103
For differential pelleting of subcellular organelles/compartments in tubes with 8 x 50 mL.	8 x 50PP tube	5721302106
	16 x 11PP thick-walled tube	5721221102
For differential pelleting of subcellular organelles/compartments or larger virus particles in tubes with 6 x 30 mL.	6 x 30PP bottle	5721221004
	7PP tube	5721221101
		5721221003
For pelleting of subcellular organelles/compartments or larger virus particles. For high throughput of small volumes with 30 x 2 mL tubes.		
For pelleting of subcellular organelles/compartments or larger virus particles in tubes with 12 x 10 mL.	12 x 10PP bottle	5721221002
For pelleting of subcellular organelles/compartments or larger virus particles in tubes with 8 x 50 mL.	8 x 50PP bottle	5721202101
	6 x 500PP bottle	5721221113
	4 x 250PP bottle	5721221112
	6 x 80PP bottle	5721221111
	8 x 50PP bottle	5721221110
For serum isolation or harvesting of bacteria or cells. For mid volumes with up to 4 x 500 mL tubes.		5721224003
For serum isolation, protein concentration in columns or harvesting of bacteria or cells in round bottom tubes with 40 x 15 mL.		5721264002
For plate centrifugation for e.g. ELISA or PCR in up to 12 x 96 plates.		5721224001
		5721224104
For strong pelleting of bacteria, yeast or cells for e.g. recombinant protein purification in conical tubes with 4 x 50 mL.		5721202400
	4 x 50PP tube	5721224102
	4 x 11PP thick-walled tube	5721224101
For plate centrifugation for e.g. PCR or cell-free protein synthesis with up to 12 x 96 plates.		5721227000
For liquid separation from soil or other solid organic material.		5721228000





## High-Speed Centrifuge CR30NX

With high speeds up to 110,000 x g, this centrifuge reaches g-forces that cross into the range of ultracentrifugation, making it the optimal solution for laboratories continuous flow and high-speed rotors. From harvesting of biomass via continuous flow to separation steps of small particles such as viruses, organelles, extracellular vesicles or nanoparticles, the outstanding versatility and performance of Centrifuge CR30NX covers them all.

- > 2-in-1 model: suitable for centrifugation steps with super-speed requirements (with vacuum function)
- > Unique 1.5 L triangular bottle for easy and time efficient harvesting of cell, yeast and bacterial cultures (up to 15,100 x g)
- > Immediate rotor recognition and self-locking rotor system for highest level of user safety
- > Large touchscreen interface for fast and easy operation
- > User management and documentation functions support labs working in a GxP environment
- > Rotors for biomass harvesting via continuous flow and super-speed pelleting available.



### Ordering information

#### Description

**High-Speed Centrifuge CR30NX**, refrigerated, 230 V/50/60 Hz (no plug), 30 A, 1-phase

**CR30NX Harvesting Bundle (4 x 1.5 L)**, refrigerated, High-Speed Centrifuge CR30NX incl. rotor R9A2 and 4 x 1.5 L triangular bottles, 230 V/50/60 Hz (no plug), 30 A, 1-phase

#### Order no.

5721300012

5721351512

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.

Inquire with our service experts to install your fitting plug

Learn more about  
our high-speed  
centrifuges



[www.eppendorf.link/  
high-speed](http://www.eppendorf.link/high-speed)



## Super-Speed Rotors – No Switching Needed



Choose from two rotors with max. speed of 110,000 x g:

- > Top-loading swing-bucket rotor for high-speed density gradient applications (e.g. rate zonal or Isopycnic centrifugation)
- > Fixed-angle rotor for cell fractionation (e.g. Virus-, viral particle or exosome pelleting)
- > With the self-locking rotor system and the immediate rotor recognition, you can toggle between applications in just a few minutes

## Continuous flow rotor - For Biomass Harvesting



Choose from two continuous flow Rotors R10C2 or R18C2:

- > For continuous flow harvesting of bacteria, cells or yeast for e.g. recombinant protein or antibody purification in very large volumes of >10 L
- > Maximum speeds of up to 14,290 x g for Rotor R10C2 and 35,100 x g for Rotor R18C2, respectively

### Ordering information

Description	Order no.
<b>Rotor R30AT</b> , fixed-angle rotor, Super-Speed Pelleting Kit 8 x 50 mL, incl. 8 x 50PP bottle, for Centrifuge CR30NX	5721302101
<b>Rotor R25ST</b> , swing-bucket rotor, Super-Speed Pelleting Kit 6 x 40 mL, incl. 50 x 40PP tube, for Centrifuge CR30NX	5721302400
<b>Rotor R10C2</b> , continuous flow rotor, Continuous Flow Kit, rotor nominal capacity: 3,200 mL, incl. seal unit, for Centrifuge CR30NX	5721352601
<b>Rotor R18C2</b> , continuous flow rotor, rotor nominal capacity: 1,000 mL, batch unit excl. seal unit, for Centrifuge CR30NX	5721302600







## Rotors for Centrifuge CR30NX

Product Name	Max. capacity	Max. speed	Max. RCF
<b>continuous flow rotor</b>			
Rotor R10C2	3,200 mL	10,000 rpm	14,290 × g
Rotor R18C2	1,000 mL	18,000 rpm	35,100 × g
<b>fixed-angle rotor</b>			
Rotor R7A	6 x 1,000 mL	7,000 rpm	11,100 × g
Rotor R9A	4 x 1,000 mL	9,000 rpm	15,300 × g
Rotor R9A2	4 x 1,500 mL	8,500 rpm	15,100 × g
Rotor R10A3	6 x 500 mL	10,000 rpm	18,800 × g
Rotor R10A5	6 x 500 mL	10,000 rpm	18,900 × g
Rotor R16A2	10 x 50 mL	16,000 rpm	36,100 × g
Rotor R16A3	6 x 250 mL	16,000 rpm	40,100 × g
Rotor R17A	14 x 50 mL	17,000 rpm	40,900 × g
Rotor R19A	6 x 80 mL	19,000 rpm	45,600 × g
Rotor R19A2	8 x 50 mL	19,000 rpm	50,000 × g
Rotor R20A2	8 x 50 mL	20,000 rpm	48,000 × g
Rotor R21A2	6 x 30 mL	21,000 rpm	50,000 × g
Rotor R22A4	30 x 2 mL	22,000 rpm	55,200 × g
Rotor R22A6	12 x 10 mL	22,000 rpm	55,100 × g
Rotor R27A	8 x 50 mL	27,000 rpm	88,400 × g
Rotor R30AT	8 x 50 mL	30,000 rpm	110,000 × g
<b>horizontal rotor</b>			
Rotor R10H	NA	10,000 rpm	13,000 × g
<b>soil dehydration rotor</b>			
Rotor R11D2	4 x 100 mL	11,000 rpm	15,800 × g
<b>swing-bucket rotor</b>			
Rotor R4SS	40 x 15 mL	4,000 rpm	2,900 × g
Rotor R5S4	NA	4,700 rpm	3,100 × g
Rotor R25ST	6 x 40 mL	25,000 rpm	110,000 × g

The maximum capacity refers to the nominal volume. The maximum filling volume may depend on the application, rotor and speed. Please consult with your sales representative for further details.



Separation example	Included tube/bottle	Order no.
For continuous flow harvesting of bacteria, cells or yeast for e.g. recombinant protein or antibody purification in very large volumes of >10 L.		5721352601
For continuous flow harvesting of bacteria, cells or yeast for e.g. recombinant protein or antibody purification in very large volumes of >10 L.		5721302600
For harvesting of bacteria, cells or yeast for e.g. recombinant protein or antibody purification in bottles in 6 x 1 L bottles.	6 x 1000PP bottle	5721352100
For harvesting of bacteria, cells or yeast for e.g. recombinant protein or antibody purification in bottles in 4 x 1 L bottles.	4 x 1000PP bottle	5721302114
For harvesting of bacteria, cells or yeast for e.g. recombinant protein or antibody purification in easy to handle bottles with 4 x 1.5 L.	4 x 1500PP bottle	5721302115
For harvesting of bacteria, cells or yeast for e.g. recombinant protein purification or cell compartment purification in 6 x 500 mL bottles.	6 x 500PP bottle	5721302112
For harvesting of bacteria, cells or yeast for e.g. recombinant protein purification or cell compartment purification in 6 x 500 mL Nalgene® bottles.		5721302113
For removing cellular debris or differential pelleting of subcellular organelles/compartments and easy handling in conical tubes with 10 x 50 mL.	100 x 15TC tube and 100 x 50TC tube	5721302110
For fast harvesting of bacteria, cells or yeast and removing cellular debris for e.g. recombinant protein or cell compartment purification in 6 x 250 mL bottles.	6 x 250PP bottle	5721302111
For fast removal of cellular debris or differential pelleting of subcellular organelles/compartments in tubes with 14 x 50 mL.	14 x 50PP tube with M-PP lid	5721302109
For fast removal of cellular debris or differential pelleting of subcellular organelles/compartments in tubes with 6 x 80 mL.	6 x 80PP bottle	5721302108
For differential pelleting of subcellular organelles/compartments or larger virus particles in conical tubes with 8 x 50 mL.	100 x 50TC tube	5721302107
For differential pelleting of subcellular organelles/compartments in tubes with 8 x 50 mL.	8 x 50PP tube and M-PP lid	5721221005
For differential pelleting of subcellular organelles/compartments or larger virus particles in tubes with 6 x 30 mL.	6 x 30PP bottle	5721302105
For pelleting of subcellular organelles/compartments or larger virus particles. For high throughput with 30 x 2 mL tubes.		5721302104
For pelleting of subcellular organelles/compartments or larger virus particles in tubes with 12 x 10 mL.	12 x 10PP bottle	5721302103
For pelleting of subcellular organelles/compartments or larger virus particles in tubes with 8 x 50 mL.	8 x 50PP bottle	5721302102
For pelleting and separation of small viruses, subcellular particles and vesicles in tubes with 8 x 50 mL.	8 x 50PP bottle	5721302101
For plate centrifugation for e.g. PCR or cell-free protein synthesis with up to 12 x 96 MTP.		5721302700
For liquid separation from soil or other solid organic material.		5721302800
For serum isolation, protein concentration in columns or harvesting of bacteria or cells in round bottom tubes with 40 x 15 mL.		5721352402
For plate centrifugation for e.g. ELISA or PCR in up to 12 x 96 plates.		5721302401
For pelleting or density gradient separation of subcellular organelles/compartments or virus particles in tubes with 6 x 40 mL.	50 x 40PP tube	5721302400





## Ultracentrifuges - CP-NX Series

The CP-NX Centrifuge Series, the flagship of our ultracentrifuge portfolio, has been designed to make ultracentrifugation as safe and convenient as possible. With speeds of up to 803,000 x g (100,000 rpm), it is the optimal solution for nucleic acid, vesicle, organelle and virus isolation, as well as protein and nano-particle purification, just to name a few.

The centrifuge series consists of three models: Centrifuge CP100NX, CP90NX and CP80NX<sup>1)</sup>, all of which share the same great range of user-friendly and innovative features along with a comprehensive rotor portfolio, making them your indispensable companion for all high- to ultra-speed applications.

The Automatic Rotor Life Management System (RLM) significantly increases the lifetime of the rotors by automatically tracking the exact run times on the internal rotor memory, making handwritten rotor logs a thing of the past. The self-locking rotor system eliminates the need to manually tighten the rotor, enabling quick and easy rotor exchange within seconds. The non-contact imbalance sensor ensures safe operation, while the possibility to balance samples by eye (up to 5 mm)<sup>2)</sup> eliminates time-consuming sample balancing via scale.

The large touch display stands out with its intuitive, multilingual operation, offering three-level user management and documentation of runs. The additional option to pre-program up to 1,000 programs supports multi-user labs as well as laboratories working in GxP compliance.



<sup>1)</sup> The CP-NX models are available with max. speeds of 100,000 rpm (CP100NX)/90,000 rpm (CP90NX)/80,000 rpm (CP80NX), respectively. <sup>2)</sup> Except rotor P21A2

Learn more about  
our ultracentrifuge  
solutions



[www.eppendorf.link/  
ultracentrifuge](http://www.eppendorf.link/ultracentrifuge)



### Ordering information

Description	Order no.
Centrifuge CP100NX, refrigerated, touch interface, 230 V/50/60 Hz (no plug), 16 A	5720110012
Centrifuge CP90NX, refrigerated, touch interface, 230 V/50/60 Hz (no plug), 16 A	5720109012
Centrifuge CP80NX, refrigerated, touch interface, 230 V/50/60 Hz (no plug), 16 A	5720108012

✎ Ordering information for other voltage options can be found in the “Voltage Version” chapter.

Inquire with our service experts to install your fitting plug

Product Name	Max. capacity	Max. speed	Max. RCF	K-factor	Included tube/bottle	Order no.
<b>fixed-angle rotor</b>						
Rotor P21A2	6 x 230 mL	21,000 rpm	71,000 × g	486	6 x 230PP bottle	5720211205
Rotor P27A	6 x 160 mL	27,000 rpm	106,000 × g	352	6 x 160PC bottle	5720211206
Rotor P32AT	32 x 12 mL	32,000 rpm	111,000 × g	186		5720211204
Rotor P42AT	72 x 0.23 mL	42,000 rpm	223,000 × g	12	200 x 0.23PC Tube	5720211203
Rotor P45AT	6 x 94 mL	45,000 rpm	235,000 × g	130		5720211109
Rotor P50A3	24 x 1.5 mL	50,000 rpm	252,000 × g	33	300 x 1.5 mL micro tube (C)	5720211108
Rotor P50AT2	12 x 40 mL	50,000 rpm	303,000 × g	70		5720211107
Rotor P50AT4	44 x 6.5 mL	50,000 rpm	274,000 × g	38	100 x 4.7PC thick-walled tube	5720211202
Rotor P65A	10 x 12 mL	65,000 rpm	370,000 × g	48		5720211201
Rotor P70AT	8 x 40 mL	70,000 rpm	505,000 × g	44		5720211105
Rotor P70AT2	12 x 12 mL	70,000 rpm	452,000 × g	36		5720211104
Rotor P80AT	8 x 12 mL	80,000 rpm	615,000 × g	27		5720211103
Rotor P90AT	8 x 12 mL	90,000 rpm	700,000 × g	25		5720211102
Rotor P100AT2	8 x 6.5 mL	100,000 rpm	803,000 × g	18		5720211101
<b>neo-angle rotor</b>						
Rotor P65NT	10 x 12 mL	65,000 rpm	402,000 × g	23		5720212202
Rotor P65NT2	18 x 5 mL	65,000 rpm	431,000 × g	15		5720212203
Rotor P90NT	8 x 5 mL	90,000 rpm	646,000 × g	10		5720212201
<b>swing-bucket rotor</b>						
Rotor P28S	6 x 40 mL	28,000 rpm	141,000 × g	252	100 x 40PP tube	5720214005
Rotor P32ST	6 x 40 mL	32,000 rpm	180,000 × g	198	100 x 40PP tube	5720214003
Rotor P32ST2	6 x 16 mL	32,000 rpm	193,000 × g	216	100 x 16PP tubes	5720214004
Rotor P40ST	6 x 13 mL	40,000 rpm	284,000 × g	139	100 x 13PP tube	5720214002
Rotor P55ST2	6 x 5 mL	55,000 rpm	366,000 × g	50	100 x 5PP tube	5720214001
Rotor P56ST	6 x 4 mL	56,000 rpm	409,000 × g	54	100 x 4PP tube	5720214102
Rotor P65ST	3 x 5 mL	65,000 rpm	419,000 × g	48	100 x 5PP tube	5720214101
<b>vertical rotor</b>						
Rotor P50VT2	8 x 40 mL	50,000 rpm	243,000 × g	36		5720213103
Rotor P65VT2	16 x 5 mL	65,000 rpm	416,000 × g	10		5720213101
Rotor P65VT3	10 x 12 mL	65,000 rpm	402,000 × g	13		5720213102
Rotor P100VT	8 x 5 mL	100,000 rpm	700,000 × g	6		5720213001

The maximum capacity refers to the nominal volume. The maximum filling volume may depend on the application, rotor and speed. Please consult with your sales representative for further details.





## Micro-Ultracentrifuges - CS150NX and CS150FNX

With extraordinarily high speeds of up to 1,050,000 x g (150,000 rpm), plus fast acceleration and deceleration ramps and a broad range of rotors, our micro-ultracentrifuges ensure speedy separation of samples such as nucleic acids, proteins, cell organelles, viruses and nanoparticles in volumes between 0.2 - 30 mL.

Depending on the space available, you can choose between a floorstanding model (CS150FNX) with a very compact footprint or a benchtop model (CS150NX) with standard power requirements for flexible placement within the laboratory. Both devices have a low noise level of <45 dB(A), ensuring a stress-free work environment, even when working directly next to the device.

Additional features include a rotor management and the self-locking rotor system, which enables quick and easy rotor exchange within seconds. The innovative, non-contact imbalance sensor ensures safe operation, while the possibility to balance samples by eye (up to 5 mm)<sup>1)</sup> eliminates time-consuming sample balancing via scale.

The large touch display makes operation easy, while providing enhanced security and compliance with user-based access control and documentation of runs. The ability to pre-program up to 20 programs supports multi-user labs as well as laboratories working in GxP compliance.

<sup>1)</sup> Except rotor S140AT, S110AT, S80AT3, S50A



Learn more  
about our Micro-  
Ultracentrifuges



[www.eppendorf.link/  
micro-ultracentrifuge](http://www.eppendorf.link/micro-ultracentrifuge)



### Ordering information

Description	Order no.
Centrifuge CS150FNX, refrigerated, floorstanding, touch interface, 230 V/50/60 Hz (EU), 8 A	5720121511
Centrifuge CS150NX, refrigerated, benchtop, touch interface, 230 V/50/60 Hz (EU), 8 A	5720131511

✦ Ordering information for other voltage options can be found in the “Voltage Version” chapter.

Inquire with our service experts to install your fitting plug

Product Name	Max. capacity	Max. speed	Max. RCF	K-factor	Included tube/bottle	Order no.
<b>fixed-angle rotor</b>						
Rotor S50A	6 x 30 mL	50,000 rpm	210,000 x g	61	20 x 25PC thick-walled tube	5720221012
Rotor S55A2	12 x 1.5 mL	55,000 rpm	201,000 x g	40	300 x 1.5 mL micro tube (C)	5720221011
Rotor S58A	8 x 13.5 mL	58,000 rpm	289,000 x g	50	20 x 10PC thick-walled tube	5720221010
Rotor S70AT	20 x 0.5 mL	70,000 rpm	307,000 x g	31	100 x 0.5PC tube	5720221009
Rotor S80AT2	30 x 0.5 mL	80,000 rpm	304,000 x g	17	100 x 0.5PC tube	5720221007
Rotor S80AT3	8 x 8 mL	80,000 rpm	415,000 x g	23	100 x 6PC thick-walled tube	5720221008
Rotor S100AT3	20 x 0.23 mL	100,000 rpm	436,000 x g	7	100 x 0.23PC tube	5720221005
Rotor S100AT4	6 x 4 mL	100,000 rpm	541,000 x g	16	100 x 3PC tube	5720221006
Rotor S110AT	8 x 5 mL	110,000 rpm	691,000 x g	15	100 x 4PC tube	5720221004
Rotor S120AT2	10 x 2 mL	120,000 rpm	650,000 x g	8	100 x 1PC tube	5720221002
Rotor S120AT3	14 x 0.5 mL	120,000 rpm	650,000 x g	8	100 x 0.5PC tube	5720221003
Rotor S140AT	10 x 2 mL	140,000 rpm	1,050,000 x g	5	100 x 1PC tube	5720221001
Rotor S150AT	8 x 2 mL	150,000 rpm	901,000 x g	6	100 x 1PC tube	5720221000
<b>neo-angle rotor</b>						
Rotor S100NT	8 x 4 mL	100,000 rpm	479,000 x g	12	100 x 4PP seal tube	5720222002
Rotor S120NT	8 x 2 mL	120,000 rpm	586,000 x g	9	100 x 2PP seal tube	5720222001
Rotor S140NT	8 x 2 mL	140,000 rpm	752,000 x g	6	100 x 2PP seal tube	5720222000
<b>swing-bucket rotor</b>						
Rotor S50ST	4 x 7 mL	50,000 rpm	253,000 x g	77	50 x 7PP tube	5720224002
Rotor S52ST	4 x 5 mL	52,000 rpm	276,000 x g	79	100 x 5PP tube	5720224001
Rotor S55S	4 x 2.2 mL	55,000 rpm	259,000 x g	44	100 x 2.2PP tube	5720224000
<b>vertical rotor</b>						
Rotor S120VT	8 x 2 mL	120,000 rpm	501,000 x g	8	100 x 2PP seal tube	5720223000

The maximum capacity refers to the nominal volume. The maximum filling volume may depend on the application, rotor and speed. Please consult with your sales representative for further details.





## High-Speed- and Ultracentrifuge Consumables

Product Name	Nominal Volume	Compatible Rotors
<b>Bottles</b>		
10PC bottle assembly	10 mL	for Rotor P32AT, P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R10S, R14A3, R15S3, R17A, R19A, R20A2, R22A2, R22A6, S58A
10PC bottle (B) assembly	10 mL	for Rotor P32AT, P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R22A6, S58A
10PP bottle assembly	10 mL	for Rotor P32AT, P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R22A6, S58A
20PC bottle (C) assembly	20 mL	for Rotor S50A
20PP bottle (C)	20 mL	for Rotor S50A
30PC bottle (B3) assembly	30 mL	for Rotor P45AT, P50AT2, P70AT, R21A2
30PC bottle (C3) assembly	30 mL	for Rotor P45AT, P50AT2, P70AT, R21A2
30PP bottle	30 mL	for Rotor P45AT, P50AT2, P70AT, R21A2
30PP bottle assembly	30 mL	for Rotor P50AT2, P70AT
50PC bottle assembly	50 mL	for Rotor R10A3, R10S, R12A6, R13A, R14A, R16A3, R17A, R20A2, R22A2, R27A, R30AT
50PP bottle	50 mL	for Rotor R10A3, R10S, R12A3, R12A6, R13A, R14A, R16A3, R17A, R20A2, R22A2, R27A, R30AT
70PC bottle	70 mL	for Rotor R10A3, R12A3, R12A6, R13A, R14A, R14A3, R16A3, R19A
70PC bottle (B)	70 mL	for Rotor P45AT
70PC bottle (C)	70 mL	for Rotor P45AT
70PP bottle (C)	70 mL	for Rotor P45AT
80PP bottle	80 mL	for Rotor R10A3, R12A3, R12A6, R13A, R14A, R14A3, R16A3, R19A
160PC bottle without cap	160 mL	for Rotor P27A
160PP bottle without cap	160 mL	for Rotor P27A
230PP bottle	230 mL	for Rotor P21A2
250PC bottle	250 mL	for Rotor R10A3, R12A3, R12A6, R13A, R14A, R16A3, R7S
250PP bottle	250 mL	for Rotor R10A3, R12A3, R12A6, R13A, R14A, R16A3, R7S
500PP bottle including caps	500 mL	for Rotor R10A3, R12A6, R5S2
500PP seal bottle including caps	500 mL	for Rotor R10A3, R12A6
550SST bottle	500 mL	for Rotor R10A3, R12A6, R5S2
1000PC bottle (WM)	1,000 mL	for Rotor R7A, R9A
1000PC bottle assembly	1,000 mL	for Rotor R5S2
1000PP bottle (WM)	1,000 mL	for Rotor R7A, R9A
1000PP bottle assembly	1,000 mL	for Rotor R5S2
1500PP bottle (WM) assembly	1,500 mL	for Rotor R9A2

The maximum capacity refers to the nominal volume. The maximum filling volume may depend on the application, rotor and speed. Please consult with your sales representative for further details.



Material	Height	Diameter	Packaging Item Quantity	Order no.
polycarbonate	81 mm	16 mm	10	5720411027
polycarbonate	82 mm	16 mm	6	5720411026
polypropylene (PP)	82 mm	16 mm	10	5720411028
polycarbonate	80 mm	26 mm	6	5720411040
polypropylene (PP)	80 mm	26 mm	6	5720411119
polycarbonate	97 mm	26 mm	6	5720411127
polycarbonate	106 mm	29 mm	6	5720411126
polypropylene (PP)	97 mm	26 mm	10	5720411123
polypropylene (PP)	97 mm	26 mm	6	5720411124
polycarbonate	103 mm	29 mm	10	5721411009
polypropylene (PP)	106 mm	29 mm	10	5721411008
polycarbonate	104 mm	38 mm	10	5721411011
polycarbonate	106 mm	38 mm	6	5720411151
polycarbonate	103 mm	29 mm	6	5720411150
polypropylene (PP)	103 mm	29 mm	6	5720411153
polypropylene (PP)	106 mm	38 mm	10	5721411010
polycarbonate	120 mm	52 mm	10	5720411167
polypropylene (PP)	120 mm	52 mm	10	5720411168
polypropylene (PP)	125 mm	60 mm	10	5720411169
polycarbonate	124 mm	62 mm	10	5721411013
polypropylene (PP)	124 mm	62 mm	10	5721411012
polypropylene (PP)	163 mm	73 mm	4	5721411014
polypropylene (PP)	163 mm	73 mm	4	5721411015
stainless steel	165 mm	73 mm	2	5721411018
polycarbonate	170 mm	98 mm	6	5721411024
polycarbonate	180 mm	98 mm	6	5721411019
polypropylene (PP)	170 mm	98 mm	6	5721411025
polypropylene (PP)	180 mm	98 mm	6	5721411021
polypropylene (PP)	175 mm	126 mm	4	5721411035







# High-Speed- and Ultracentrifuge Consumables

Product Name	Nominal Volume	Compatible Rotors
<b>Seal tubes</b>		
1.5PP seal tube	1.5 mL	for Rotor S120AT2, S140AT, S150AT
2PP seal tube	2 mL	for Rotor S120AT2, S120NT, S120VT, S140AT, S140NT, S150AT
4PP seal tube	4 mL	for Rotor S100AT4, S100NT
5PP seal tube	5 mL	for Rotor P100VT, P65NT2, P65VT2, P90NT, S110AT
6PP seal tube	6 mL	for Rotor P80AT, P90AT, S50ST, S58A, S80AT3
6.5PP seal tube	6.5 mL	for Rotor P100AT2, P50AT4
8PP seal tube	8 mL	for Rotor S80AT3
10PP seal tube	10 mL	for Rotor P40ST
12PP seal tube	12 mL	for Rotor P65A, P65NT, P65VT3, P70AT2, P80AT, P90AT, S58A
15PP seal tube	15 mL	for Rotor R25ST2
20PP seal tube	20 mL	for Rotor P70AT, S50A
30PP seal tube	30 mL	for Rotor P50AT2, P70AT, S50A
33PP seal tube	33 mL	for Rotor R25ST
40PP seal tube	40 mL	for Rotor P50AT2, P50VT2, P70AT
94PP seal tube	94 mL	for Rotor P45AT, R14A3
<b>Thick-walled tubes</b>		
0.9PC thick-walled tube	0.9 mL	for Rotor P40ST, P55ST2, P65A, P65ST, P70AT2, P80AT, P90AT, R22A6, S52ST, S58A
3PP thick-walled tube	3 mL	for Rotor S100AT4, S52ST
4PP thick-walled tube	4 mL	for Rotor S110AT
4.7PC thick-walled tube	4.7 mL	for Rotor P100AT2, P45AT, P50AT2, P50AT4, P65A, P70AT, P70AT2, P80AT, P90AT, R21A2, R22A6, R25ST2, S58A
6PC thick-walled tube	6 mL	for Rotor S80AT3
6PP thick-walled tube	6 mL	for Rotor S80AT3
10PC thick-walled tube	10 mL	for Rotor P32AT, P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R21A2, R22A6, S58A
10PP thick-walled tube	10 mL	for Rotor P32AT, P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R21A2, R22A6, S58A
11PC thick-walled tube	11 mL	for Rotor R10S, R14A3, R15S3, R17A, R19A, R20A2, R21A, R22A2
11PP thick-walled tube	11 mL	for Rotor R10S, R13A, R14A3, R15S3, R17A, R19A, R20A2, R21A, R22A2
25PC thick-walled tube	25 mL	for Rotor S50A
25PP thick-walled tube	25 mL	for Rotor S50A
33PC thick-walled tube	33 mL	for Rotor P45AT, P50AT2, P70AT, R21A2
33PP thick-walled tube	33 mL	for Rotor P45AT, P50AT2, P70AT, R21A2
<b>Tubes</b>		
0.23PC tube	0.23 mL	for Rotor P42AT, S100AT3
0.23PP tube	0.23 mL	for Rotor P42AT, S100AT3
0.5PC tube	0.5 mL	for Rotor S120AT3, S80AT2
0.5PC tube (B)	0.5 mL	for Rotor S70AT
0.5PP tube	0.5 mL	for Rotor S120AT3, S80AT2
1 mL test tube	1 mL	for Rotor R12A4, R22A4
1PC tube	1 mL	for Rotor S120AT2, S140AT, S150AT, S55S
1PP tube	1 mL	for Rotor S120AT2, S140AT, S150AT
2.2PET tube	2.2 mL	for Rotor S55S
2.2PP tube	2.2 mL	for Rotor S55S
3PC tube	3 mL	for Rotor P45AT, P50AT2, P55ST2, P65A, P65ST, P70AT, P70AT2, P80AT, P90AT, R21A2, R22A6, R25ST2, S100AT4, S52ST, S58A
3PP tube	3 mL	for Rotor P40ST, P65A, P70AT2, P80AT, P90AT, R25ST2, S58A
4PC tube	4 mL	for Rotor S110AT
4PET tube	4 mL	for Rotor P56ST
4PP tube	4 mL	for Rotor P40ST, P50AT2, P56ST, P65A, P70AT, P70AT2, P80AT, P90AT, R25ST2, S58A
5PET tube	5 mL	for Rotor P55ST2, P65ST, S52ST
5PP tube	5 mL	for Rotor P45AT, P50AT2, P55ST2, P65A, P65ST, P70AT, P70AT2, P80AT, P90AT, R25ST2, S52ST, S58A
5TI tube	5 mL	for Rotor S110AT

The maximum capacity refers to the nominal volume. The maximum filling volume may depend on the application, rotor and speed. Please consult with your sales representative for further details.



Material	Height	Diameter	Packaging Item Quantity	Order no.
polypropylene (PP)	24 mm	11 mm	50	5720411001
polypropylene (PP)	31 mm	11 mm	50	5720411002
polypropylene (PP)	38 mm	13 mm	50	5720411013
polypropylene (PP)	53 mm	13 mm	50	5720411008
polypropylene (PP)	42 mm	16 mm	50	5720411073
polypropylene (PP)	65 mm	13 mm	50	5720411077
polypropylene (PP)	53 mm	16 mm	50	5720411017
polypropylene (PP)	86 mm	15 mm	50	5720411088
polypropylene (PP)	78 mm	16 mm	50	5720411019
polypropylene (PP)	91 mm	16 mm	50	5720411110
polypropylene (PP)	55 mm	26 mm	50	5720411116
polypropylene (PP)	75 mm	26 mm	50	5720411121
polypropylene (PP)	88 mm	26 mm	50	5720411134
polypropylene (PP)	94 mm	26 mm	50	5720411141
polypropylene (PP)	104 mm	38 mm	25	5720411161
polycarbonate	50 mm	8 mm	50	5720411036
polypropylene (PP)	51 mm	13 mm	50	5720411014
polypropylene (PP)	60 mm	13 mm	50	5720411007
polycarbonate	64 mm	13 mm	50	5720411032
polycarbonate	59 mm	16 mm	50	5720411015
polypropylene (PP)	59 mm	16 mm	50	5720411016
polycarbonate	77 mm	16 mm	10	5720411024
polypropylene (PP)	76 mm	16 mm	10	5720411025
polycarbonate	83 mm	16 mm	10	5721411044
polypropylene (PP)	82 mm	16 mm	10	5721411043
polycarbonate	76 mm	26 mm	10	5720411038
polypropylene (PP)	76 mm	26 mm	10	5720411039
polycarbonate	89 mm	26 mm	10	5720411137
polypropylene (PP)	88 mm	26 mm	10	5720411138
polycarbonate	21 mm	7 mm	100	5720411010
polypropylene (PP)	21 mm	7 mm	100	5720411011
polycarbonate	34 mm	8 mm	100	5720411004
polycarbonate	56 mm	7 mm	100	5720411018
polypropylene (PP)	34 mm	8 mm	100	5720411005
glass	35 mm	9 mm	100	5722112042
polycarbonate	34 mm	11 mm	100	5720411000
polypropylene (PP)	34 mm	11 mm	100	5720411003
polyethylene terephthalate	34 mm	11 mm	50	5720411042
polypropylene (PP)	34 mm	11 mm	50	5720411041
polycarbonate	51 mm	13 mm	50	5720411012
polypropylene (PP)	47 mm	11 mm	50	5720411034
polycarbonate	60 mm	13 mm	50	5720411006
polyethylene terephthalate	60 mm	11 mm	50	5720411064
polypropylene (PP)	60 mm	11 mm	50	5720411033
polyethylene terephthalate	52 mm	13 mm	50	5720411043
polypropylene (PP)	52 mm	13 mm	50	5720411031
titanium	60 mm	13 mm	2	5720411273





# High-Speed- and Ultracentrifuge Consumables

Product Name	Nominal Volume	Compatible Rotors
<b>Tubes</b>		
6.5PC tube	6.5 mL	for Rotor P100AT2, P45AT, P50AT2, P50AT4, P65A, P70AT, P70AT2, P80AT, P90AT, R25ST2, S58A
6.5PET tube	6.5 mL	for Rotor P100AT2, P45AT, P50AT2, P50AT4, P70AT
6.5PP tube	6.5 mL	for Rotor P100AT2, P45AT, P50AT2, P50AT4, P65A, P70AT, P70AT2, P80AT, P90AT, R25ST2, S58A
7PC tube	7 mL	for Rotor R22A
7PC tube (B)	7 mL	for Rotor S50ST
7PET tube	7 mL	for Rotor S50ST
7PP tube	7 mL	for Rotor S50ST
7PP tube	7 mL	for Rotor R22A
7SST tube	7 mL	for Rotor R22A
10 mL glass tube	10 mL	for Rotor R10A3, R10S, R12A3, R12A6, R13A, R14A, R16A3, R17A, R20A2, R22A2, R3S, R4SS
12PC tube	12 mL	for Rotor P32AT, P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R10S, R14A3, R15S3, R17A, R19A, R20A2, R22A2, S58A
12PE tube	12 mL	for Rotor P32AT, P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R10S, R14A3, R15S3, R17A, R19A, R20A2, R22A2, S58A
12PET tube	12 mL	for Rotor P45AT, P50AT2, P65A, P70AT
12PP tube	12 mL	for Rotor P32AT, P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R10S, R14A3, R15S3, R17A, R19A, R20A2, R22A2, S58A
12SST tube	12 mL	for Rotor P45AT, P50AT2, P65A, P70AT, P70AT2, P80AT, P90AT, R10S, R14A3, R15S3, R17A, R19A, R20A2, R21A2, R22A2, R22A6, S58A
12TI tube without cap	12 mL	for Rotor P70AT2, P80AT, P90AT, R22A6, S58A
13PET tube	13 mL	for Rotor P40ST
13PP tube	13 mL	for Rotor P40ST
15 mL glass tube assembly	15 mL	for Rotor R3S, R4SS
16PET tube without cap	16 mL	for Rotor R25ST2
16PP tube	16 mL	for Rotor R25ST2
30PP tube assembly	30 mL	for Rotor S50A
40PC tube	40 mL	for Rotor P28S, P32ST, R25ST
40PE tube	40 mL	for Rotor P45AT, P50AT2, P70AT
40PET tube	40 mL	for Rotor P28S, P32ST, P45AT, P50AT2, P70AT, R25ST
40PP round bottom tube	40 mL	for Rotor P28S, P32ST, P45AT, P50AT2, P70AT, R25ST
40SST tube (B) without cap	40 mL	for Rotor P28S, P32ST, P50AT2, P70AT, R21A2, R25ST
40TI tube without cap	40 mL	for Rotor P50AT2, P70AT, R21A2
50 mL glass tube assembly	50 mL	for Rotor R10A3, R12A3, R12A6, R13A, R14A, R16A3, R3S, R4SS
50PC tube	50 mL	for Rotor R10A3, R10S, R12A3, R12A6, R13A, R14A, R16A3, R17A, R20A2, R22A2, R27A, R30AT
50PP tube	50 mL	for Rotor R10A3, R10S, R12A3, R12A6, R13A, R14A, R16A3, R17A, R20A2, R22A2, R27A, R30AT
50SST tube	50 mL	for Rotor R10A3, R10S, R12A3, R12A6, R13A, R14A, R16A3, R17A, R20A2, R22A2, R27A, R30AT
50TC tube	50 mL	for Rotor R4SS, R8S, R13A, R15A, R16A2, R18A, R19A2
94PC tube	94 mL	for Rotor P45AT
94PP tube	94 mL	for Rotor P45AT
94SST tube	94 mL	for Rotor P45AT, R10A3, R12A3, R12A6, R13A, R14A, R14A3, R16A3, R19A
300SST tube	300 mL	for Rotor R10A3, R12A3, R12A6, R13A, R14A, R16A3, R7S
500PP tube	500 mL	for Rotor R3S
500SST tube	500 mL	for Rotor R10A3, R12A6, R5S2
1.5 mL micro tube (C)	1.5 mL	for Rotor P50A3, S110AT, S55A2, S80AT3
15TC tube	15 mL	for Rotor R15A, R16A2, R18A, R19A2, R8S
50TC tube	50 mL	for Rotor R13A, R15A, R16A2, R16A3, R18A, R19A2, R8S
WATSON microtube 1.5 mL	1.5 mL	for Rotor S100AT4, S110AT, S80AT3

The maximum capacity refers to the nominal volume. The maximum filling volume may depend on the application, rotor and speed. Please consult with your sales representative for further details.



Material	Height	Diameter	Packaging Item Quantity	Order no.
polycarbonate	64 mm	13 mm	50	5720411030
polyethylene terephthalate	64 mm	13 mm	50	5720411080
polypropylene (PP)	64 mm	13 mm	50	5720411029
polycarbonate	61 mm	16 mm	10	5721411038
polycarbonate	52 mm	16 mm	50	5720411045
polyethylene terephthalate	52 mm	16 mm	50	5720411046
polypropylene (PP)	52 mm	16 mm	50	5720411044
polypropylene (PP)	60 mm	16 mm	10	5721411037
stainless steel	61 mm	16 mm	2	5721411039
glass	105 mm	12 mm	50	5721411042
polycarbonate	76 mm	16 mm	50	5720411022
polyethylene	75 mm	16 mm	50	5720411021
polyethylene terephthalate	76 mm	16 mm	50	5720411106
polypropylene (PP)	76 mm	16 mm	50	5720411020
stainless steel	76 mm	16 mm	2	5720411023
titanium	76 mm	16 mm	2	5720411274
polyethylene terephthalate	96 mm	15 mm	50	5720411107
polypropylene (PP)	96 mm	15 mm	50	5720411108
glass	105 mm	16.5 mm	50	5721411050
polyethylene terephthalate	102 mm	16 mm	50	5720411113
polypropylene (PP)	102 mm	16 mm	50	5720411112
polypropylene (PP)	72 mm	26 mm	50	5720411037
polycarbonate	90 mm	26 mm	50	5720411140
polyethylene	89 mm	26 mm	50	5720411146
polyethylene terephthalate	90 mm	26 mm	50	5720411148
polypropylene (PP)	90 mm	26 mm	50	5720411139
stainless steel	90 mm	26 mm	2	5720411147
titanium	90 mm	26 mm	2	5720411149
glass	100 mm	35 mm	10	5721411059
polycarbonate	103 mm	29 mm	10	5721411057
polypropylene (PP)	104 mm	29 mm	10	5721411056
stainless steel	10.2 mm	29 mm	2	5721411058
			100	5721411170
polycarbonate	101 mm	38 mm	25	5720411164
polypropylene (PP)	101 mm	38 mm	25	5720411160
stainless steel	101 mm	38 mm	2	5720411165
stainless steel	128 mm	62 mm	2	5721411063
polypropylene (PP)	108 mm	103 mm	4	5721411064
stainless steel	150 mm	73 mm	2	5721411065
polypropylene (PP)	40 mm	11 mm	300	5720411009
polypropylene (PP)	120 mm	17 mm	100	5721411049
polypropylene (PP)	115 mm	30 mm	300	5721411067
polypropylene (PP)	42 mm	10.8 mm	1,000	5720411052

