

# Swing-Bucket Rotors 59xx Family – Overview



Model	Rotor S-4xUniversal-Large	Rotor S-4x1000 high-capacity buckets	Rotor S-4x1000 plate/tube buckets	Rotor S-4x1000 round buckets
<b>Positioning</b>	Extra high capacity	Extra high capacity	High capacity	Medium capacity, compatible with 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				4
1,000 mL standard bottles				4
PCR plates/MTP	20	24	28	
Deepwell plates (DWP)	8	8	8	



Eppendorf bottles for 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	5810 729 009	80 x 133 mm	flat	PP				
Eppendorf	500 mL	5820 707 003	83 x 134 mm	flat	PP				
Eppendorf	750 mL	5820 708 000	102 x 133 mm	flat	PP	■	■	■	■
Eppendorf	400 mL	5910 707 002	81 x 117 mm	flat	PP				
Eppendorf	1,000 mL	5910 770 006	118 x 133.1 mm	flat	PP				

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

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

Technical specifications subject to change.



Model	Rotor S-4xUniversal	Rotor S-4x750 with round buckets	Rotor S-4x500	Rotor S-4x400
<b>Positioning</b>	High capacity and versatility	Medium capacity, high speed	Medium capacity	Medium capacity, high speed
5910 Ri				
5920 R	■	■	■	■
Universal bucket	yes	no	no	no
Aerosol-tightness	yes	yes	yes	yes
Max. capacity	4 x 1,000 mL	4 x 750 mL	4 x 500 mL	4 x 400 mL
Max. RCF	4,347 x g	4,800 x g	3,220 x g	5,263 x g
Max. speed	4,500 rpm	4,700 rpm	4,000 rpm	5,100 rpm
1.5/2.0 mL micro tube	200	200	96	104
Eppendorf Tubes® 5.0 mL and 15 mL conical	68	56	48	28
50 mL conical tubes	36	28	20	16
25 mL snap cap tubes	36	24	20	16
25 mL screw cap tubes	36	28	20	16
13 mm round-bottom and blood collection tubes	120	92	100	60
16 mm round-bottom and blood collection tubes	104	80	64	44
750 mL bottles	4	4		
1,000 mL Eppendorf bottles	4			
1,000 mL standard bottles				
PCR plates/MTP	20	16	16	
Deepwell plates (DWP)	4	4	4	

Eppendorf bottles for Centrifuge 5910 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 5910 Ri



### Rotor S-4xUniversal

- > High capacity swing-bucket rotor with max. speed 4,347 x 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
- > Universal adapters accommodate selective plate formats and conical tubes
- > Aerosol-tight QuickLock caps for safe centrifugation of hazardous samples optionally available<sup>1)2)3)</sup>
- > Buckets, caps and adapters are autoclavable

<sup>1)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK. <sup>2)</sup> Aerosol-tight caps compatible with MTP, DWP 96 500 µL, DWP 384 200 µL. Aerosol-tight caps not compatible with DWP 96 1,000 µL and 2,000 µL. <sup>3)</sup> When used with aerosol-tight caps the max. capacity is reduced to 20 x 50 mL (5 x 50 mL per adapter).

#### Ordering information

Description	Order no.
Rotor S-4xUniversal, incl. universal buckets	5895 200 001
Aerosol-tight caps, for Rotor S-4xUniversal, set of 2 pcs.	5910 750 005
Wide-neck bottle 750 mL, for Rotor S-4-104, S-4x750, S-4x1000, set of 2 pcs.	5820 708 000

Adapters for Rotor S-4xUniversal									
<b>Tube Volume</b>	4 mL – 8 mL	7.5 mL – 12 mL	9 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	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	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	7/28	1/4	1/4	1/4	5/20
<b>Bottom shape</b>	round	round	round	round	flat	conical	flat	flat	flat
<b>Centrifugation radius</b>	190 mm	195 mm	188 mm	189 mm	185 mm	187 mm	188 mm	188 mm	170 mm
<b>Max. RCF</b>	4,302 x g	4,415 x g	4,256 x g	4,279 x g	4,188 x g	4,234 x g	4,256 x g	4,256 x g	3,849 x g
<b>Packing</b>	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
<b>Order no.</b>	5910 755 007	5910 754 000	5910 762 003	5910 758 006	5910 764 006	5910 760 000	5910 757 000	5910 756 003	5910 753 004

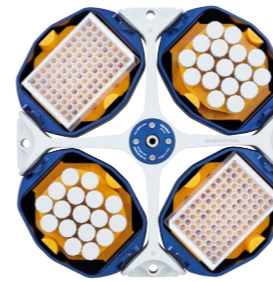
<sup>1)</sup> Please perform a manual test to determine the actual loading capacity. <sup>2)</sup> Aerosol-tight caps compatible with MTP, DWP 96 500 µL, DWP 384 200 µL. Aerosol-tight caps not compatible with DWP 96 1,000 µL and 2,000 µL. <sup>3)</sup> Please order adapter for 25 mL conical tubes snap cap 5820 733 004. <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 5820 734 000.

# Universal Adapters for Rotor S-4xUniversal

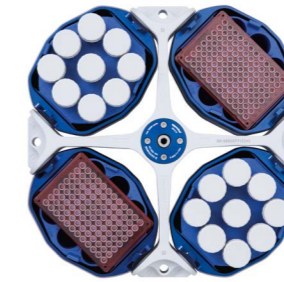
Rotor S-4xUniversal brings outstanding versatility to those customers who need to spin a variety of vessels and plates. Three innovative universal adapters accommodate a selection of tubes, plates and bottles:

- > 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 mL.



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



Universal adapter 3  
Setup for 50 mL conical tubes and 250 mL bottles.

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 conical	Microplate 96/384 wells	25 mL snap cap <sup>3)</sup>	25 mL screw cap <sup>5)</sup>	50 mL conical	Microplate 96/384 wells	250 mL flat, 175 - 225 mL conical
17 mm	17 mm	–	39 mm	39 mm	30 mm	–	39 mm	29.8 mm	29 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	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	–	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
conical	conical	flat	conical	conical	conical	flat	conical	conical	conical	conical	flat
191 mm	191 mm	143 mm	107 mm	156 mm	192 mm	115 mm	107 mm	155 mm	191 mm	115 mm	187 mm
4,324 x g	4,324 x g	3,237 x g	3,758 x g	3,531 x g	4,347 x g	2,604 x g	3,735 x g	3,509 x g	4,324 x g	2,604 x g	4,234 x g
set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
5910 752 008	5910 752 008	5910 769 008	5910 752 008	5910 752 008	5910 752 008	5910 751 001	5910 752 008	5910 752 008	5910 752 008	5910 751 001	5910 752 008

# Rotors for 5910 Ri



## Rotor S-4x500

- > Medium capacity swing-bucket rotor with max. speed 3,220 x 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>
- > Mixed loading with 2 plate buckets and 2 rectangular tube buckets allows for increased versatility
- > Buckets, caps and adapters are autoclavable

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



## 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	5895 170 005
without buckets	5895 171 001
<b>Lid</b> , aerosol-tight, for 500 mL rectangular bucket, set of 2 pcs.	5810 724 007
<b>MTP/Flex bucket</b> , for Rotor A-4-81 and Rotor S-4x500, set of 2 pcs.	5810 742 005
<b>MTP/Flex bucket</b> , for Rotor A-4-81 and Rotor S-4x500, set of 4 pcs.	5810 741 009

<b>Adapters for Rotor S-4x500</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
<b>Max. tube diameter</b>	11 mm	11 mm	13 mm	13 mm	16 mm	17.5 mm
<b>Max. vessel height</b>	43 mm	108 mm	108 mm	108 mm	108 mm	118 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
<b>Adapter</b>						
<b>Number of vessels per adapter/rotor</b>	20/80	20/80	25/100	18/72	16/64	16/64
<b>Bottom shape</b>	flat	flat	flat with rubber mat	flat with rubber mat	flat with rubber mat	flat with rubber mat
<b>Centrifugation radius</b>	165 mm	168 mm	168 mm	168 mm	168 mm	168 mm
<b>Max. RCF</b>	2,950 x g	3,000 x g	3,000 x g	3,000 x g	3,000 x g	3,000 x g
<b>Packing</b>	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
<b>Order no.</b>	5810 745 004	5810 746 000	5810 720 001	5810 747 007	5810 748 003	5810 721 008

<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 5804 737 008.

<b>Eppendorf Tubes® 5.0 mL and 15 mL conical tubes</b>									
<b>Tube Volume</b>	5.0 mL	25 mL	25 mL	50 mL	30 – 50 mL and 50 mL conical tubes, skirted <sup>2)</sup>	180 – 250 mL flat/ 175 – 225 mL conical	400 mL	500 mL	MTP, DWP, PCR plates
<b>Max. tube diameter</b>	17.5 mm	39 mm	29.8 mm	30 mm	30 mm	62 mm	133 mm	83 mm	–
<b>Max. vessel height</b>	121 mm	83 mm	78.5 mm	122 mm	121 mm	133 mm	–	134 mm	60 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	121 mm	83 mm	78.5 mm	116 mm	–	–	–	134 mm	–
<b>Adapter</b>									
<b>Number of vessels per adapter/rotor</b>	12/48	5/20	5/20	5/20	5/20	1/4	1/4	–/4	4/16 (MTP) 1/4 (DWP)
<b>Bottom shape</b>	conical	conical	conical	conical	flat with rubber mat	flat with rubber mat	flat, rubber	flat	flat with rubber mat
<b>Centrifugation radius</b>	173 mm	158 mm	148 mm	173 mm	173 mm	173 mm	180 mm	180 mm	163 mm
<b>Max. RCF</b>	3,100 x g	2,826 x g	2,647 x g	3,100 x g	3,100 x g	3,100 x g	3,220 x g	3,220 x g	2 900 x g
<b>Packing</b>	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	–	set of 2 pcs.
<b>Order no.</b>	5810 722 004	5810 723 000	5810 723 000	5810 723 000	5810 739 004	5825 722 000	5810 728 002	–	5810 742 005

# Rotors for 5910 Ri



### Rotor S-4x400

- > High-speed medium capacity swing-bucket rotor with max. speed 5,263 × 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>
- > Buckets, caps and adapters are autoclavable

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



### Ordering information

Description	Order no.
Rotor S-4x400, incl. 400 mL round bucket	5895 180 000
Aerosol-tight caps, for Rotor S-4x400, set of 2 pcs.	5910 700 008

<b>Adapters for Rotor S-4x400</b>						
<b>Tube Volume</b>	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
<b>Max. tube diameter</b>	11 mm	12 mm	13 mm	16 mm	17.5 mm	17 mm
<b>Max. vessel height</b>	39 mm	118 mm	119 mm	122 mm	122 mm	133 mm
<b>Max. vessel height for use with cap/lid<sup>1)</sup></b>	–	112 mm	105 mm	115 mm	115 mm	126 mm
<b>Adapter</b>						
<b>Number of vessels per adapter/rotor</b>	26/104	17/68	15/60	11/44	8/32	7/28
<b>Bottom shape</b>	open	round	round	round	round	conical
<b>Centrifugation radius</b>	177 mm	172 mm	171 mm	173 mm	173 mm	180 mm
<b>Max. RCF</b>	5,147 × g	5,002 × g	4,818 × g	4,874 × g	4,874 × g	5,071 × g
<b>Packing</b>	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
<b>Order no.</b>	5910 708 009	5910 711 000	5910 703 007	5910 704 003	5910 709 005	5910 702 000

<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 5820 733 004.<sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820 734 000.

25 mL snap cap <sup>2)</sup>	25 mL screw cap <sup>3)</sup>	50 mL conical	50 mL skirted, Centriprep and Oak Ridge 30 mL	175 mL conical (Becton Dickinson®, Nalgene®), 250 mL flat	175 – 225 mL conical	400 mL
39 mm	29.8 mm	29 mm	29 mm	62 mm	62 mm	81 mm
83 mm	78.5 mm	125 mm	122 mm	138 mm	143 mm	117 mm
83 mm	78.5 mm	117 mm	121 mm	129 mm	137 mm	117 mm
4/16	4/16	4/16	3/12	1/4	1/4	1/4
conical	conical	conical	conical	flat	conical	flat
152 mm	142 mm	179 mm	170 mm	174 mm	181 mm	173 mm
4,420 × g	4,129 × g	5,043 × g	4,943 × g	5,060 × g	5,263 × g	5,030 × g
set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
5910 701 004	5910 701 004	5910 701 004	5910 712 006	5910 705 000	5910 714 009	5910 706 006

## Rotors for 5910 Ri/5920 R



### Rotor S-4x750

- > Medium capacity swing-bucket rotor with max. speed 4,800 × g (4,700 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
- > Aerosol-tight QuickLock caps for safe centrifugation of hazardous samples optionally available<sup>2)</sup>
- > Buckets, caps and adapters are autoclavable

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

<sup>2)</sup> For 100 V device, max. speed 4,031 × g /4,300 rpm

### Ordering information

Description	Order no.
<b>Rotor S-4x750</b> , aerosol-tight, without buckets	5895 121 004
<b>Rotor S-4x750</b> , aerosol-tight, incl. 4 × 750 mL round buckets	5895 120 008
<b>Plate bucket (aerosol-tight capable)</b> , incl. plate carrier, for Rotor S-4x750, set of 2 pcs.	5895 125 000
<b>Round bucket</b> , for Rotor S-4x750, set of 2 pcs.	5895 123 007
<b>Round bucket</b> , for Rotor S-4x750, set of 4 pcs.	5895 122 000
<b>Plate bucket (aerosol-tight capable)</b> , incl. plate carrier, for Rotor S-4x750, set of 4 pcs.	5895 124 003
<b>Caps for plate buckets (aerosol-tight capable)</b> , aerosol-tight, for Rotor S-4-104 and Rotor S-4x750, set of 2 pcs.	5820 748 001
<b>Caps for 750 mL round buckets</b> , aerosol-tight, for Rotor S-4-104, Rotor S-4x750 and Rotor S-4x1000, set of 2 pcs.	5820 747 005
<b>Wide-neck bottle 750 mL</b> , for Rotor S-4-104, S-4x750, S-4x1000, set of 2 pcs.	5820 708 000

<b>Adapters for Rotor S-4x750</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
<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
<b>Bottom shape</b>	flat	round	round	round	round	round	conical
<b>Centrifugation radius</b>	194 mm	186 mm	185 mm	186 mm	185 mm	185 mm	188 mm
<b>Max. RCF</b>	4,791 × g	4,594 × g	4,569 × g	4,594 × g	4,569 × g	4,569 × g	4,643 × g
<b>Packing</b>	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
<b>Order no.</b>	5825 740 009	5825 747 003	5825 738 004	5825 736 001	5825 743 008	5825 748 000	5825 734 009

<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 5820 733 004.<sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820 734 000.<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.

25 mL snap cap <sup>2)</sup>	25 mL screw cap <sup>3)</sup>	30 mL	50 mL conical	50 mL conical, skirted	250 mL flat, 175 – 225/ 250 mL conical <sup>4)5)</sup>	500 mL Corning <sup>®</sup>	750 mL	MTP, DWP, PCR plates
39 mm	29.8 mm	25 mm	30 mm	30 mm	62 mm	96 mm	102 mm	–
83 mm	78.5 mm	119 mm	122 mm	122 mm	145 mm	147 mm	150 mm	64 mm
83 mm	78.5 mm	114 mm	116 mm	116 mm	125 mm	–	150 mm	47 mm
6/24	7/28	8/32	7/28	5/20	1/4	1/4	1/4	4/16 (MTP) 1/4 (DWP)
conical	conical	flat	conical	conical	flat	conical	flat	–
167 mm	157 mm	181 mm	187 mm	177 mm	183 mm	186 mm	185 mm	161 mm
4,124 × g	3,877 × g	4,470 × g	4,618 × g	4,371 × g	4,519 × g	4,594 × g	4,569 × g	3,976 × g
set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
5825 733 002	5825 733 002	5825 755 006	5825 733 002	5825 732 006	5825 741 005	5825 745 000	5825 744 004	5895 125 000



# Rotors for 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
- > Max. speed 15,054 x g (10,100 rpm)
- > Eppendorf QuickLock® rotor lid for fast lid locking
- > Aerosol-tight<sup>2)</sup> for safe centrifugation of hazardous samples
- > Low weight of only 5,450 g for stress-free work
- > Anodized aluminum for high chemical resistance
- > Rotor, lid and adapters are autoclavable to reduce risk of contamination
- > See tab 'Additional information' for overview of adapters available

<sup>1)</sup> To run this rotor, a software update is required for earlier centrifuges. Please contact your local Eppendorf organization or dealer for further information. <sup>2)</sup> Aerosol-tightness tested by Public Health England, Porton Down, UK. Maximum 80 % of maximum filling volume.



### Ordering information

Description	Order no.
Rotor FA-6x250, for 6 x 250 mL bottles	
incl. aerosol-tight Eppendorf QuickLock® rotor lid	5895 175 007

Adapters for Rotor FA-6x250	1	2	3	4	5	6	7
Tube Volume	5 mL	2.6 – 8.0 mL	5.5 – 12.0 mL	9 mL	Eppendorf Tubes® 5.0 mL <sup>2)</sup> and 15 mL	25 mL screw cap <sup>3)</sup>	50 mL
Max. tube diameter	12 mm	13 mm	16 mm	17.5 mm	17 mm	29.8 mm	30 mm
Max. vessel height for use with cap/lid <sup>1)</sup>	114 mm	114 mm	115 mm	112 mm	122 mm	78.5 mm	125 mm
Adapter							
Number of vessels per adapter/rotor	9/54	8/48	7/42	7/42	4/24	1/6	1/6
Bottom shape	round	round	round	round	conical	conical	conical
Centrifugation radius	126 mm	125 mm	125 mm	126 mm	120 mm	95 mm	110 mm
Max. RCF	14,370 x g	14,256 x g	14,256 x g	14,370 x g	13,686 x g	10,834 x g	12,545 x g
Packing	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
Order no.	5920 765 000	5920 763 008	5920 762 001	5920 764 004	5920 761 005	5920 760 009	5920 760 009

1	2	3	4	5	6	7	8
50 mL	10 mL	16 mL	30 mL	50 mL	85 mL	175 mL <sup>4)</sup>	250 mL <sup>5)</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 x g	14,370 x g	14,370 x g	14,256 x g	12,659 x g	12,887 x g	15,054 x g	15,054 x g
set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	–	–
5920 766 007	5920 769 006	5920 770 004	5920 767 003	5920 771 000	5920 768 000	Conical form insert required <sup>4)</sup>	No adapter required <sup>5)</sup>

<sup>1)</sup> Please perform a manual test to determine the actual loading capacity. <sup>2)</sup> Universal adapters for Eppendorf Tubes® 5.0 mL are required in addition (order no. 5820 732 008). <sup>3)</sup> Please order adapter for 25 mL conical tubes screw cap 5820 734 000. <sup>4)</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>5)</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.

## Rotors for 5910 Ri/5920 R



### Rotor FA-6x50

- > High-speed rotor for applications in tubes from 5 – 50 mL
- > Max. speed 20,133 × g (12,100 rpm)
- > Eppendorf QuickLock® rotor lid for fast lid locking
- > Aerosol-tight<sup>1)</sup> for safe centrifugation of hazardous samples
- > Low rotor weight (3.2 kg) for easy handling
- > Anodized aluminum for high chemical resistance
- > 45° borehole angle minimizes pellets smear
- > Rotor, lid and adapters are autoclavable

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

### Ordering information

Description	Order no.
Rotor FA-6x50, aerosol-tight, incl. rotor lid	5895 150 004

<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>	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 2 pcs.
<b>Order no.</b>	5820 726 008	5820 725 001	5820 728 000	5820 727 004	5820 730 005	5820 729 007

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

## Eppendorf Conical Tubes

Whether 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.com/conicals](http://www.eppendorf.com/conicals)



15 mL	15 – 18 mL	20 – 30 mL	25 mL snap cap	25 mL screw cap	35 mL	50 mL conical
17 mm	18 mm	26 mm	39 mm	29.8	29 mm	30 mm
125 mm	107 mm	104 mm	83 mm	78.5 mm	113 mm	127 mm
1/6	1/6	1/6	1/6	1/6	1/6	-/6
conical	round	round	conical	conical	conical	conical
120 mm	120 mm	105 mm	104 mm	97 mm	112 mm	123 mm
19,642 × g	19,642 × g	17,187 × g	17,023 × g	15,877 × g	18,333 × g	20,133 × g
set of 2 pcs.	set of 2 pcs.	set of 2 pcs.	set of 6 pcs.	set of 6 pcs.	set of 2 pcs.	-
5820 717 009	5820 720 000	5820 721 006	5820 733 004	5820 734 000	5820 722 002	-



## Rotors for 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
- > Rotor, lid and adapters are autoclavable (121 °C, 20 min)
- > Anodized aluminum for high chemical resistance

<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> , for 20 Eppendorf Tubes® 5.0 mL, incl. aerosol-tight Eppendorf QuickLock® rotor lid	5895 130 003
<b>Adapter</b> , for 1 PCR tube 0.2 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 715 005
<b>Adapter</b> , for 1 tube 0.5 mL or BD Microtainer®, max. Ø 8 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 716 001
<b>Adapter</b> , for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, set of 4 pcs.	5820 768 002
<b>Adapter</b> , for 1 cryo tube, for all 5.0 mL rotors, set of 4 pcs.	5820 769 009
<b>Adapter</b> , for 1 HPLC tube, for all 5.0 mL rotors, set of 4 pcs.	5820 770 007
<b>Adapter</b> , for 1 tube 0.4 mL, max. Ø 6 mm, for all 1.5/2.0 mL rotors, set of 6 pcs.	5425 717 008

## Rotors for 5910 Ri



### 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 x 15 mL conical tubes, incl. 48 steel sleeves and adapters	5895 160 000



### 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
- > Aerosol-tight<sup>1)</sup> for safe centrifugation of hazardous samples
- > Anodized aluminum for high chemical resistance
- > Rotor and lid are autoclavable (121 °C, 20 min)

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

#### Ordering information

Description	Order no.
<b>Rotor FA-48x2</b> , incl. aerosol-tight Eppendorf QuickLock® rotor lid	5895 135 005



### 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
- > Aerosol-tight for safe centrifugation of hazardous samples<sup>1)</sup>
- > Anodized aluminum for high chemical resistance
- > Rotor and lid are autoclavable (121 °C, 20 min)

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

#### Ordering information

Description	Order no.
<b>Rotor FA-30x2</b> , incl. aerosol-tight Eppendorf QuickLock® rotor lid	5895 155 006

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

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