

2.4 Rotors



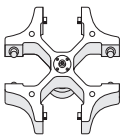
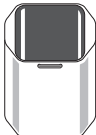

Eppendorf centrifuges may only be operated with rotors that are intended for use with the corresponding centrifuge.


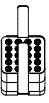






- ▶ Only use rotors which bear the name of the centrifuge (e.g. 5804 R).


















You can operate the 5804/5804 R/5810/5810 R centrifuge with the following rotors. Before use of sample tubes, please note the manufacturer's specifications with regard to centrifugation resistance (max. rcf).


2.4.1 Rotor A-4-81 (only 5810/5810 R)

Rotor A-4-81 with 500 mL rectangular bucket

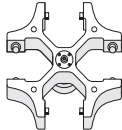

			Max. <i>g</i> -force: 3,220 × <i>g</i>
Rotor A-4-81 Swing-bucket rotor with 4 × 500 mL rectangular buckets	Rectangular bucket 500 mL	Aerosol-tight cap	Max. speed: 4,000 rpm
			Max. load per bucket 780 g (adapter, tube and contents):




Vessel	Vessel Capacity Vessels per adapter/rotor	Adapters Order no. (international)	Adapter bottom shape Tube diameter Max. tube length with/without aerosol-tight bucket cap	Max. <i>g</i> -force Max. speed Centrifugation radius
	Vessel 1.5/2 mL 20/80	 5810 745.004	flat Ø 11 mm 43 mm/43 mm	2,950 × <i>g</i> 4,000 rpm 16.5 cm
	Blood collection tube 1.2 to 5 mL 20/80	 5810 746.000	flat Ø 11 mm 108 mm/108 mm	3,000 × <i>g</i> 4,000 rpm 16.8 cm
	Vessel 2.6 to 5 mL 25/100	 5810 720.001	flat Ø 13 mm 107 mm/108 mm	3,000 × <i>g</i> 4,000 rpm 16.8 cm
	Vessel 2.6 to 7 mL 18/72	 5810 747.007	flat Ø 13 mm 108 mm/108 mm	3,000 × <i>g</i> 4,000 rpm 16.8 cm

Vessel	Vessel Capacity Vessels per adapter/rotor	Adapters Order no. (international)	Adapter bottom shape Tube diameter Max. tube length with/without aerosol-tight bucket cap	Max. <i>g</i> -force Max. speed Centrifugation radius
	Blood collection tube 3 to 15 mL 16/64	 5810 748.003	flat Ø 16 mm 108 mm/108 mm	3,000 × <i>g</i> 4,000 rpm 16.8 cm
	Vessel 7 to 17 mL 16/64	 5810 721.008	flat Ø 17.5 mm 118 mm/118 mm	3,000 × <i>g</i> 4,000 rpm 16.8 cm
	Conical tube 15 mL 12/48	 5810 722.004	conical Ø 17.5 mm 119 mm/121 mm	3,100 × <i>g</i> 4,000 rpm 17.3 cm
	Conical tube 50 mL 5/20	 5810 723.000	conical Ø 31 mm 116 mm/122 mm	3,100 × <i>g</i> 4,000 rpm 17.3 cm
	Centriprep 50 mL 5/20	 5810 739.004	flat Ø 31 mm (Do not use the aerosol-tight cap.)/ 121 mm	3,100 × <i>g</i> 4,000 rpm 17.3 cm
	Conical tube, skirted 50 mL 5/20	 5810 739.004  5804 737.008	flat Ø 31 mm (Do not use the aerosol-tight cap.)/ 119 mm	3,100 × <i>g</i> 4,000 rpm 17.3 cm
	Bottles 180 to 250 mL 1/4	 5825 722.000	flat Ø 62 mm (Do not use the aerosol-tight cap.)/ 133 mm	3,100 × <i>g</i> 4,000 rpm 17.3 cm
	Wide-neck bottle 400 mL 1/4	 5810 728.002	flat Ø 81 mm (Do not use the aerosol-tight cap.)/ 133 mm	3,220 × <i>g</i> 4,000 rpm 18.0 cm

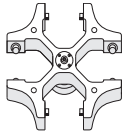
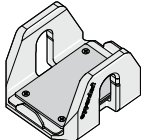
Vessel	Vessel Capacity Vessels per adapter/rotor	Adapters Order no. (international)	Adapter bottom shape Tube diameter Max. tube length with/without aerosol-tight bucket cap	Max. <i>g</i> -force Max. speed Centrifugation radius
	Wide-neck bottle, rectangular 500 mL -/4	-	flat 83 mm 134 mm/134 mm	3,220 × <i>g</i> 4,000 rpm 18.0 cm

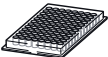
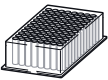
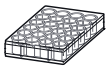


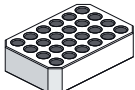

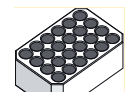

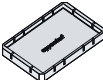
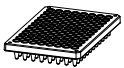
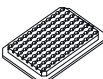
Rotor A-4-81 with conical tubes

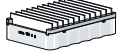

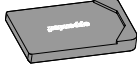
		Max. <i>g</i> -force: 3,220 × <i>g</i>
Rotor A-4-81 Swing-bucket rotor with 4 buckets for conical tubes	Bucket for 7 × 50 mL conical tubes	Max. speed: 4,000 rpm
		Max. load per bucket (adapter, tube and contents): 7 × 75 g

Vessel	Vessel Capacity Vessels per adapter/rotor	Adapters Order no. (international)	Bottom shape Tube diameter Max. tube length	Max. <i>g</i> -force Max. speed Centrifugation radius
	Conical tube 15 mL 7/28	 5820 718.005	conical Ø 17.5 mm 120 mm	3,184 × <i>g</i> 4,000 rpm 17.8 cm
	Conical tube 50 mL 7/28	-	conical Ø 30 mm 117 mm	3,220 × <i>g</i> 4,000 rpm 18.0 cm

Rotor A-4-81 with MTP/Flex carrier

		Max. <i>g</i> -force: 2,900 × <i>g</i>
Rotor A-4-81 Swing-bucket rotor with 4 MTP/Flex carriers	MTP/Flex buckets	Max. speed: 4,000 rpm Max. load per bucket (adapter, plate and contents): 380 <i>g</i>

Vessel	Plate Capacity Plates, rack or glass slides per adapter/rotor	Adapters Order no. (international)	Bottom shape Tube diameter Max. loading height	Max. <i>g</i> -force Max. speed Centrifugation radius
	Micro test plate 96/384 wells 4/16	-	flat - 60 mm	2,900 × <i>g</i> 4,000 rpm 16.3 cm
	Deepwell plate 96 wells 1/4	-	flat - 60 mm	2,900 × <i>g</i> 4,000 rpm 16.3 cm
	Cell culture plate 2/8	-	flat - 60 mm	2,900 × <i>g</i> 4,000 rpm 16.3 cm
	Kit 1/4	-	flat - 60 mm	2,900 × <i>g</i> 4,000 rpm 16.3 cm
	Tube in IsoRack 24 × 0.5 mL 1/4	 5825 708.008	flat Ø 6 mm 60 mm	2,700 × <i>g</i> 4,000 rpm 15.0 cm
	Tube in IsoRack 24 × 1.5/2 mL 1/4	 5825 709.004	flat Ø 11 mm 60 mm	2,600 × <i>g</i> 4,000 rpm 14.6 cm
	384-well PCR plate 1/4	 5825 713.001	flat - 60 mm	2,700 × <i>g</i> 4,000 rpm 15.8 cm
	96-well PCR plate 1/4	 5825 711.009	flat - 60 mm	2,600 × <i>g</i> 4,000 rpm 16.1 cm

Vessel	Plate Capacity Plates, rack or glass slides per adapter/rotor	Adapters Order no. (international)	Bottom shape Tube diameter Max. loading height	Max. <i>g</i> -force Max. speed Centrifugation radius
Slides	CombiSlide 12 slides 12/48	 5825 706.005	flat - 60 mm	1,000 × <i>g</i> 2,372 rpm 15.9 cm
	Cell culture bottle with/without filter 75 cm ² : Sarstedt 83.1811.002/ 83.1811 25 cm ² : Sarstedt 83.1810.002/ 83.1810 Greiner Bio-One 690175/690160 TPP 90026/90025 IWAKI 3102-025 1/4	 5825 719.000	flat - 60 mm	1,000 × <i>g</i> 2,501 rpm 14.3 cm