

High Speed Centrifuges

Supra R30 / Supra R22 / Supra R17 / Supra R12

High Speed Centrifuge

Supra R30

- Ideal for sub-cellular organelle separation
- Exceptional usage for 8 x 50 mL up to 30,000 rpm (almost 100,000 xg)
- Convenient rotor coupling and decoupling complete with rotor lid closure and opening (no need additional tool)
- Maintenance free durable induction motor
- Soft motor shaft for stable rotation of heavy rotors
- Automatic half-atmosphere vacuum control at over 22,000 rpm
- Intuitive control panel with safety warning LEDs
- Imbalance cut-off function for safe operation
- Robust and safe sliding lid



A1000-4



A250-6



A50-8



A50c-6

High Speed Centrifuge

Supra R22

- Affordable high speed centrifuge for usage of 4 x 1,000 mL
- Capacity for 6x50ml up to 22,000 rpm (52,000 xg) and 4 x 1000 mL at 8,000 rpm (12,000 xg)
- Convenient rotor coupling and decoupling in one single action of rotor lid closure and opening (no any tool is needed)
- Imbalance cutoff and tracking function
- Automatic rotor identification for safe operation
- Smoothly working, motorized lid opening and closure
- Excellent temperature control
- Password lock function



A1000-4



A50-6



A15-12

High Speed Centrifuges

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High Speed Centrifuge

Supra R17

- Economical choice for daily high speed centrifuge usage
- It is recommended to use conical 50 mL tubes at high speed (15,000 rpm / 22,000 xg)
- For up to 17,000 rpm (31,000 xg) with 6 x 50 mL tubes and 10,000 rpm (15,000 xg) with 6 x 250 mL tubes
- Fast cooling function to 4°C in 5 minutes for fast startup of cooled samples
- Convenient rotor coupling and decoupling with one single action of rotor lid closure and opening (no need of any tool)
- Intuitive control interface with numeric input buttons allows easy setting and editing of running conditions
- Selectable time counting control, at set speed or from starting
- Imbalance cutoff function for safe operation
- Compact, small foot print design



A250-6



A50c-6



A15-12



A15c-12

High Speed Centrifuge

Supra R12

- Recommended for large volume samples at high speed
- Capacity of 6 x 250 mL to 12,000 rpm (22,000 xg)
- Imbalance cut-off and tracking
- Intuitive and easy to control with extensive and informative display
- Smooth operation with motorized lid opening and closure
- Cooled with CFC free, environmental friendly refrigerant
- Excellent temperature control
- Password lock function



A1000-6



A500-6



A250-6

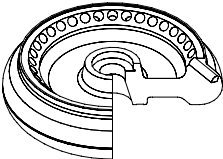















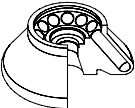

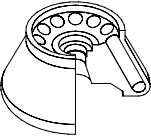

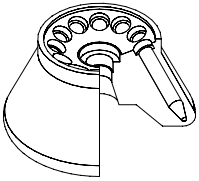

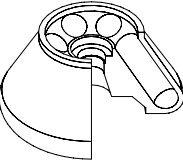















Technical Specifications

		Supra R30	Supra R22	Supra R17	Supra R12
Speed	Max. RPM / Fixed angle	30,000 rpm	22,000 rpm	17,000 rpm	12,000 rpm
	RCF (xg)	106,657 xg	57,358 xg	34,249 xg	22,265 xg
Max. capacity	Fixed angle	4 x 1,000 mL	4 x 1,000 mL	6 x 250 mL	6 x 1,000 mL
	ACC/DEC ramps	10/10 steps		9/10 steps	10/10 steps
Temperature	Temperature range	-10°C to 40°C	-10°C to 40°C	-20°C to 40°C	-10°C to 40°C
	Fast cool	-	-	Yes	-
Time control	< 100 hr, continuous		Pulse Timed < 10 hr continuous	Pulse Timed < 100 hr, continuous	
Program memory	100				
Noise level	≤ 65 dB		≤ 60 dB	≤ 65 dB	
Vacuum system	Yes	-	-	-	
Imbalance cutoff / tracking	Yes / -	Yes / Yes	Yes / -	Yes / Yes	
Rotor identification	manual	Automatic	Automatic	Automatic	
Dimension (W x D x H, mm)	710 x 1,000 x 1,260	668.7 x 800.6 x 891.3	473 x 611 x 840	668.7 x 800.6 x 891.3	
Weight without rotor	415 kg	230 kg	114 kg	230 kg	
Power consumption	5.2 kVA	5.1 kVA	2.9 kVA	3.9 kVA	
Power input (V, Hz)	210~240V 60 Hz (110V, 50 Hz optional)		220V 50/60 Hz (110V optional)	210~240V 50/60 Hz (110V optional)	
Cat. No.	SU-R30	SU-R22	SU-R17	SU-R12	

High Speed Centrifuges

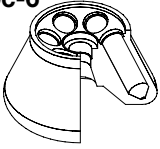

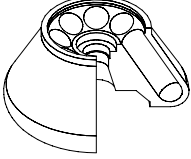















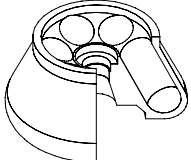



























Supra R30 / Supra R22 / Supra R17 / Supra R12

Fixed Angle Rotors for Supra Series (1)

Rotor	Adaptable Centrifuge	Tube Capacity Bottom Type	Required Adaptor	Bore Ø x L (mm) Radius (mm)	Max. RPM (rpm) Max. RCF (xg)
A2.0-36  Hole angle : $\angle 30^\circ$ Max. Capacity : 36 x 1.5/2.0 mL Size (ø x H) : ø240 x 64 Max. height for tube fit : 49.5 mm Incl. a coupling bolt lid	Supra R30	 1.5/2.0 mL Micro-filter tube	-	11 x 37.5 115.7	20,000 51,741
		 0.5 mL	TR0.5 	8 x 37 111	20,000 49,639
		 0.2 mL	TR0.2 	6 x 21 100	20,000 44,720
	Supra R22	 1.5/2.0 mL Micro-filter tube	-	11 x 37.5 115.7	18,000 41,910
		 0.5 mL	TR0.5 	8 x 37 111	18,000 40,208
		 0.2 mL	TR0.2 	6 x 21 100	18,000 36,223
	Supra R17	 1.5/2.0 mL Micro-filter tube	-	11 x 37.5 115.7	15,000 29,104
		 0.5 mL	TR0.5 	8 x 37 111	15,000 27,922
		 0.2 mL	TR0.2 	6 x 21 100	15,000 25,155
A10-12  Hole angle : $\angle 36^\circ$ Max. Capacity : 12 x 10 mL Size (ø x H) : ø179.9 x 82 Max. height for tube fit : 87.1 mm Incl. a coupling bolt lid	Supra R30	 10 mL Round	-	16.3 x 74.5 85.1	30,000 85,628
	Supra R22		22,000 46,049		
	Supra R17		17,000 27,496		
A15-12  Hole angle : $\angle 30^\circ$ Max. Capacity : 12 x 15 mL Size (ø x H) : ø222.7 x 106 mm Max. height for tube fit : 121 mm Incl. a coupling bolt lid	Supra R30	 15 mL Round	-	17 x 96 106	30,000 106,657
	Supra R22		22,000 57,358		
	Supra R17		17,000 34,249		
A15c-12  Hole angle : $\angle 25^\circ$ Max. Capacity : 12 x 15 mL conical Size (ø x H) : ø215 x 121 Max. height for tube fit : 123.2 mm Incl. a coupling bolt lid	Supra R30	 15 mL Conical	-	17 X 115 99.4	17,000 32,116
	Supra R22		17,000 32,116		
	Supra R17		15,000 25,004		
A50-6  Hole angle : $\angle 30^\circ$ Max. Capacity : 6 x 50 mL Size (ø x H) : ø200 x 109 mm Max. height for tube fit : 122.7 mm Incl. a coupling bolt lid	Supra R30	 50 mL Round	-	29 x 100 96.1	30,000 96,696
		 15 mL Round	TR15(50) 	17 x 94 89.9	30,000 90,475
		 15 mL Conical	TR15c(50) 	17 x 105 91	30,000 91,564
	Supra R22	 50 mL Round	-	29 x 100 96.1	22,000 52,001
		 15 mL Round	TR15(50) 	17 x 94 89.9	22,000 48,646
		 15 mL Conical	TR15c(50) 	17 x 105 91	22,000 49,241
	Supra R17	 50 mL Round	-	29 x 100 96.1	17,000 31,050
		 15 mL Round	TR15(50) 	17 x 94 89.9	17,000 29,047
		 15 mL Conical	TR15c(50) 	17 x 105 91	17,000 29,402

* Radius : From the center of the rotor to the inner end of tube carrier.

Fixed Angle Rotors for Supra Series (2)

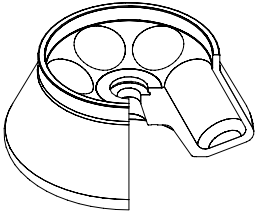

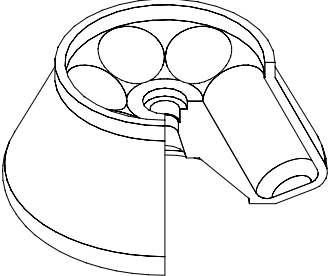

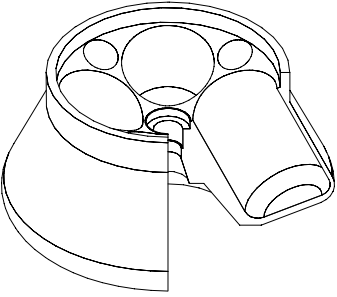

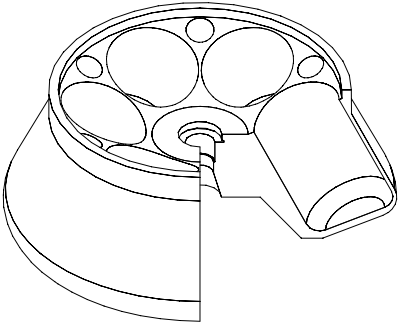

Rotor	Adaptable Centrifuge	Tube Capacity Bottom Type	Required Adaptor	Bore Ø x L (mm) Radius (mm)	Max. RPM (rpm) Max. RCF (xg)	
A50c-6  Hole angle : $\angle 23^\circ$ Max. Capacity : 6 x 50 mL conical Size (ø x H) : ø205.7 x 119 mm Max. height for tube fit : 118.5 mm Incl. a coupling bolt lid	Supra R30	 50 mL Conical	-	30 x 108.6 91	17,000 29,402	
	Supra R22		-		17,000 29,402	
	Supra R17		-		15,000 22,891	
A50-8  Hole angle : $\angle 30^\circ$ Max. Capacity : 8 x 50 mL Size (ø x H) : ø213 x 110.7 mm Max. height for tube fit : 110.7 mm Incl. a coupling bolt lid	Supra R30	 50 mL Round	-	29 x 100 98.9	30,000 99,513	
		 15 mL Round	TR15(50) 	17 x 94 92.8	30,000 93,375	
		 15 mL Conical	TR15c(50) 	17 x 105 93.9	30,000 94,482	
	Supra R22	 50 mL Round	-	29 x 100 98.9	20,000 44,228	
		 15 mL Round	TR15(50) 	17 x 94 92.8	20,000 41,500	
		 15 mL Conical	TR15c(50) 	17 x 105 93.9	20,000 41,992	
	Supra R17	 50 mL Round	-	29 x 100 98.9	15,000 24,878	
		 15 mL Round	TR15(50) 	17 x 94 92.8	15,000 23,344	
		 15 mL Conical	TR15c(50) 	17 x 105 93.9	15,000 23,621	
	A85-6  Hole angle : $\angle 25^\circ$ Max. Capacity : 6 x 85 mL Size (ø x H) : ø209.1 x 112 mm Max. height for tube fit : 115.4 mm Incl. a coupling bolt lid	Supra R30	 85 mL Round	-	38.3 x 95 97.6	25,000 68,198
			 50 mL Round	TR50(85) 	29 x 95 92.9	25,000 64,912
			 50 mL Conical	TR50c(85) 	29.5 x 100 93	25,000 64,984
 15 mL Round			TR15(85) 	17 x 94 89	25,000 62,189	
 15 mL Conical			TR15c(85) 	17 x 100 89.2	25,000 62,329	
Supra R22		 85 mL Round	-	38.3 x 95 97.6	20,000 43,647	
		 50 mL Round	TR50(85) 	29 x 95 92.9	20,000 41,545	
		 50 mL Conical	TR50c(85) 	29.5 x 100 93	20,000 41,590	
		 15 mL Round	TR15(85) 	17 x 94 89	20,000 39,800	
		 15 mL Conical	TR15c(85) 	17 x 100 89.2	20,000 39,890	
Supra R17		 85 mL Round	-	38.3 x 95 97.6	15,000 24,551	
		 50 mL Round	TR50(85) 	29 x 95 92.9	15,000 23,369	
		 50 mL Conical	TR50c(85) 	29.5 x 100 93	15,000 23,394	
		 15 mL Round	TR15(85) 	17 x 94 89	15,000 22,388	
		 15 mL Conical	TR15c(85) 	17 x 100 89.2	15,000 22,438	

* Radius : From the center of the rotor to the inner end of tube carrier.

High Speed Centrifuges

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Fixed Angle Rotors for Supra Series (3)

Rotor	Adaptable Centrifuge	Tube Capacity Bottom Type	Bore Ø x L (mm) Radius (mm)	Max. RPM (rpm) Max. RCF (xg)
A250-6  Hole angle : $\angle 25^\circ$ Max. Capacity : 6 x 250 mL Size (Ø x H) : $\phi 295.6 \times 147.8$ mm Max. height for tube fit : 132 mm Incl. a coupling bolt lid	Supra R30	 250 mL Flat	62 x 103 138.3	10,000 15,462
	Supra R22			12,000 22,265
	Supra R17			10,000 15,462
	Supra R12			12,000 22,265
A500-6  Hole angle : $\angle 25^\circ$ Max. Capacity : 6 x 500 mL Size (Ø x H) : $\phi 336 \times 179$ mm Max. height for tube fit : 168.5 mm Incl. a coupling bolt lid	Supra R30	 500 mL Flat	70 x 141 158.7	8,000 11,355
	Supra R22			9,000 14,372
	Supra R12			10,000 17,743
A1000-4  Hole angle : $\angle 25^\circ$ Max. Capacity : 4 x 1,000 mL Size (Ø x H) : $\phi 350 \times 196$ mm Max. height for tube fit : 184.8 mm Incl. a coupling bolt lid	Supra R30	 1,000 mL Flat	98 x 144 169.9	7,000 9,307
	Supra R22			8,000 12,157
	Supra R12			
A1000-6  Hole angle : $\angle 25^\circ$ Max. Capacity : 6 x 1,000 mL Size (Ø x H) : $\phi 408 \times 188$ mm Max. height for tube fit : 176.5 mm Incl. a coupling bolt lid	Supra R12	 1,000 mL Flat	98 x 144 200.1	7,000 10,962

* Radius : From the center of the rotor to the inner end of tube carrier.