

Ultra Centrifuge

Ultra 5.0

- Ideal for DNA, RNA, and protein separation
- 12 x 13.5 mL and 6 x 38.5 mL rotors up to 50,000 rpm (243,000 xg and 254,000 xg)
- Large capacity, 6 x 250 mL rotor up to 25,000 rpm (90,000 xg)
- High torque AC induction motor
- Self-lock rotor coupling, triggered by centrifugal force while spinning
- Vacuum and sealing constructed to minimize air friction at super speed rotation
- Automatic rotor identification by photo sensor
- Intuitive control panel with safety warning LEDs
- Robust and safe sliding lid

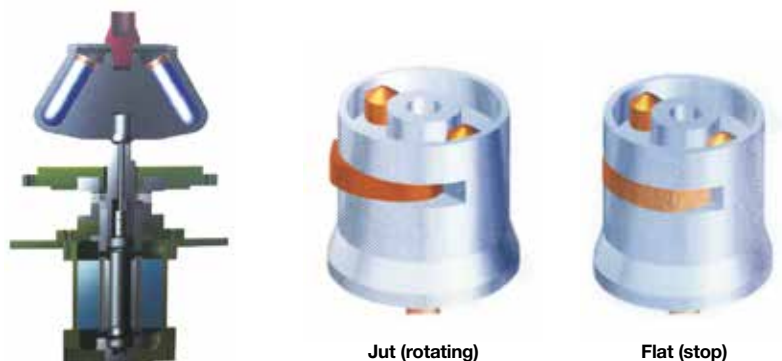


- Direct and flexible spindle drive system to endure ultra speed
- Unique anti-vibration damping structures embedded in both inside and outside motor



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Very convenient self-lock rotor coupling, triggered by centrifugal force while spinning

Technical Specifications

		Ultra 5.0
Speed	Max. RPM / Fixed angle	50,000 rpm
RCF (xg)	Max. RCF / Fixed angle	254,340 xg
Max. capacity / Fixed angle		6 x 250 mL
ACC/DEC		10/10 steps
Temperature range		-10°C to 40°C
Time control		< 100 hr, continuous
Program memory		100
Noise level		≤ 65 dB
Vacuum system		Yes
Rotor identification		Automatic
Dimension (W x D x H, mm)		710 x 1,000 x 1,260
Weight without rotor		450 kg
Power consumption		5.0 kVA
Power input (V, Hz)		220V+ / 60 Hz (110V, 50 Hz optional)
Cat. No.		UL-5.0

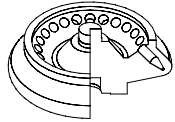

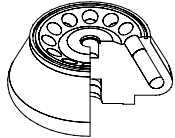

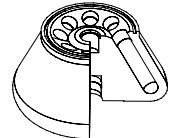

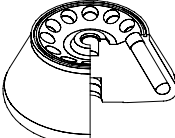

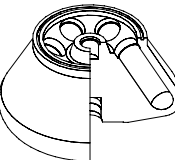

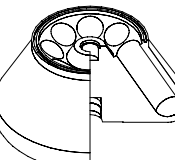

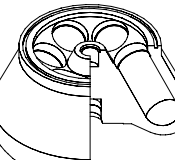

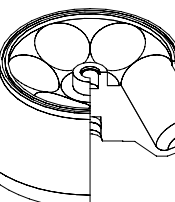
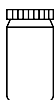


A38.5U-8



A2.0U-24

Fixed Angle Rotors for Ultra 5.0

Rotor	Tube Capacity Bottom Type	Bore Ø x L (mm) Radius (mm)	Max. RPM (rpm) Max. RCF (xg)
A2.0U-24  <p>Hole angle : $\angle 40^\circ$ Max. Capacity : 24 x 1.5/2.0 mL Size (Ø x H) : $\phi 180 \times 88$ mm Max. height for tube fit : 47.1 mm Incl. a screw type lid</p>	 1.5/2.0 mL -	11 x 37.5 82	40,000 146,680
A10U-12  <p>Hole angle : $\angle 26^\circ$ Max. Capacity : 12 x 10 mL Size (Ø x H) : $\phi 180 \times 90$ mm Max. height for tube fit : 71.5 mm Incl. a screw type lid</p>	 10 mL Round	17 X 70 85	45,000 192,430
A13.5U-8  <p>Hole angle : $\angle 26^\circ$ Max. Capacity : 8 x 13.5 mL Size (Ø x H) : $\phi 165.5 \times 91.3$ mm Max. height for tube fit : 84.4 mm Incl. a screw type lid</p>	 13.5 mL Round	16.3 X 83 73	50,000 204,030
A13.5U-12  <p>Hole angle : $\angle 26^\circ$ Max. Capacity : 12 x 13.5 mL Size (Ø x H) : $\phi 189 \times 90.5$ mm Max. height for tube fit : 83.4 mm Incl. a screw type lid</p>	 13.5 mL Round	16.3 X 83.4 87	50,000 243,160
A38.5U-6  <p>Hole angle : $\angle 29^\circ$ Max. Capacity : 6 x 38.5 mL Size (Ø x H) : $\phi 198 \times 112$ mm Max. height for tube fit : 98.9 mm Incl. a screw type lid</p>	 38.5 mL Round	25.6 x 92 91	50,000 254,340
A50U-8  <p>Hole angle : $\angle 30^\circ$ Max. Capacity : 8 x 50 mL Size (Ø x H) : $\phi 213 \times 110$ mm Max. height for tube fit : 107.3 mm Incl. a screw type lid</p>	 50 mL Round	29 x 100.5 98	30,000 98,784
A94U-6  <p>Hole angle : $\angle 25^\circ$ Max. Capacity : 6 x 94 mL Size (Ø x H) : $\phi 219.7 \times 119$ mm Max. height for tube fit : 110.7 mm Incl. a screw type lid</p>	 94 mL Round	38.5 x 105 99.4	35,000 136,377
A250U-6  <p>Hole angle : $\angle 25^\circ$ Max. Capacity : 6 x 250 mL Size (Ø x H) : $\phi 280 \times 130$ mm Max. height for tube fit : 126.9 mm Incl. a screw type lid</p>	 250 mL Flat	60 x 101 129	20,000 57,792

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