

Micro Centrifuges

Mini 6 / Mini 6-RC / M13 / M15S / M15R

Micro Centrifuges

Mini 6 / Mini 6-RC

- Quick spin action simply by closing the lid and safety stop by opening the lid
- Selectable operation modes short spin or continuous 15 minutes
- Interchangeable rotors for 6 micro tubes and 2 PCR strips
- Electro sensitive contacting lid sensor
- Optional cordless model, Mini 6-RC(Rechargeable Lithium battery)



M13

- Ideal for simple and efficient spinning at high speed
- Accommodate sample tubes from PCR strip to 5 ml
- Very quiet operation even at max speed of 13,500 rpm
- Deceleration within 8 sec from max speed
- Simplified operation with rotating knobs for rpm and time
- Available with 3 interchangeable rotors
- Safety features ensure it will not spin when the lid is open.
- Well-designed, non-slip silicone rubber feet



A2.0-12



A0.2-32

Technical Specifications

		Mini6 / Mini6-RC	M13	M15S / M15S-md*	M15R / M15R-md*
Speed RCF (xg)	Max. RPM (Fixed angle)	6,500 rpm	13,500 rpm	15,000 rpm	15,000 rpm
	Max. RCF (Fixed angle)	2,234 xg	12,032 xg	21,206 xg	21,583 xg
Max. capacity (Fixed angle)		6 x 1.5 / 2.0 mL, 2 x (8-Tube or PCR Strip)	6 x 5.0 mL 12 x 1.5 / 2.0 mL 4 PCR strips	24 x 1.5 / 2.0 mL,	10 X 5.0 mL, 24 x 1.5 / 2.0 mL, 4 PCR strips
ACC/DEC	ACC / DEC ramps			9 / 10 steps	9 / 10 steps
	ACC time to max speed	3 sec	≤18 sec	≤15 sec	≤15 sec
	DEC time from max speed	4 sec	≤8 sec	≤15 sec	≤15 sec
Temperature	Temperature range				-10°C to 40°C
	Fast cool	-	-	-	Yes
Time control		Selectable, Short Spin (10 sec) or Continuous (15 min)	≤15 min, pulse	< 100 min, pulse, continuous	< 100 min, pulse, continuous
Program memory		-	-	10	10
Noise level		-	< 60 dB	< 60 dB	< 60 dB
Imbalance cutoff		-	-	Yes	Yes
Dimension (W x D x H, mm)		150 x 150 x 90	189 x 202 x 129	293 x 380 x 242	285 x 593 x 281
Weight		650 g	1.5 kg	15 kg	33 kg
Power requirement		-	200 VA	500 VA	2.5 kVA
Power input (V,Hz)		AC 100~240 V 50/60 Hz (rechargeable Lithium- Battery(Mini6 - RC only)	210 V~240 V, 50/60 Hz (110 V optional)	210 V~240 V, 50/60 Hz (110 V optional)	210V~240 V, 50/60 Hz (110 V optional)
Cat. No.		Mini6	M13	M15S / M15S-md	M15R / M15R-md

Micro Centrifuge

M15R

- Performance up to 15,000 RPM with 24 hole rotor
- Compact design and light-weight micro centrifuges
- Small footprint with outstanding features, suited for molecular biology works
- High quality anodized aluminum rotors and rotor lid
- Available with 3 interchangeable rotors
- New “Easy-Lock” rotor allows fast and convenient lid opening.
- Tightly sealed rotor with two V-shape rubber rings and an O-ring
- Ideal for very quiet and fast operation
- Easy to readable graphical LCD display
- Program up to 10 routine protocols
- Soft-touch lid closure with motorized lid mechanics for stress-free lid locking
- Easy-to-clean, UV resistant surface and stainless steel chamber



AEB-0.2-32



AEB-2.0-24



AE-5.0c-10



M15R

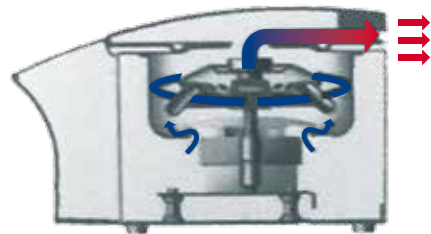
Micro Centrifuge

M15S

- Performance up to 15,000 RPM with 24 hole rotor
- Plastic, snap-fit button lid of 24 hole rotor for convenient and time saving usage
- Compact design and light-weight micro centrifuges
- Small footprint with outstanding features, suited for molecular biology works
- Ideal for very quiet and fast operation
- Easy to readable graphical LCD display
- Program up to 10 routine protocols
- Soft-touch lid closure with motorized lid mechanics for stress-free lid locking
- Easy-to-clean, UV resistant surface and stainless steel chamber



A2.0MP-24



↑↑↑
Air

Non-refrigerative M15S with uniquely controlled air cooling structure

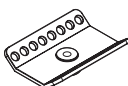


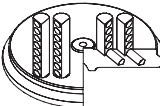


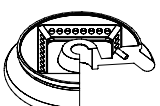








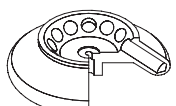





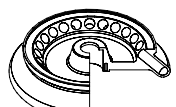





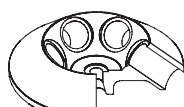



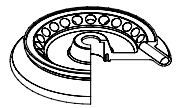







M15S

Micro Centrifuges

Mini 6 / Mini 6-RC / M13 / M15S / M15R

Fixed Angle Rotors for Micro Centrifuges

Rotor	Adaptable Centrifuge	Tube Capacity (Tube Size)	Required Adaptor	Bore Ø x L (mm) Radius (mm)	Max. RPM (rpm) Max. RCF (xg)
A0.2-16  <p>Hole angle rotation : $\angle 45^\circ$ Max. Capacity : 16 x 0.2 mL Size (w x d x h) : 73.5 x 55.2 x 20.8mm</p>	Mini 6	 0.2 mL	-	6.5 x 3 29.9	6,500 1,412
		 0.2 mL strips			
A0.2-32  <p>Hole angle : $\angle 45^\circ$ Max. Capacity : 32 x 0.2 mL Size (Ø x H) : Ø124 x 22 mm</p>	M13	 0.2 mL	-	6.5 x 15 Inner line : 31.13 (Min.) 44.06 (Max.) Outer line : 46.13 (Min.) 55.68 (Max.)	6,000 Inner line : 1,253~1,773 Outer line : 0.2 mL strips - 1,857~2,241
		 0.2 mL strips			
AEB-0.2-32  <p>Hole angle : $\angle 45^\circ$ Max. Capacity : 32 x 0.2 mL Size (Ø x H) : Ø151.8 x 52 mm Max. height for tube fit (mm) : 25</p>	M15R	 0.2 mL	-	6.5 x 16 56.4	12,500 9,852
		 0.2 mL strips			
A2.0-6  <p>Hole angle : $\angle 45^\circ$ Max. Capacity : 6 x 1.5/2.0 mL Size (Ø x H) : Ø87.9 x 24.5 mm Max. height for tube fit (mm) : 39</p>	Mini 6	 1.5/2.0 mL	-	11.1 x 30 47.3	6,500 2,234
		 0.5 mL	TR0.5(2) 	8 x 31 36.2	6,500 1,710
		 0.2 mL	TR0.2(2) 	6.5 x 23 29.2	6,500 1,379
A2.0-12  <p>Hole angle : $\angle 45^\circ$ Max. Capacity : 12 x 1.5/2.0 mL Size (Ø x H) : Ø124 x 37 mm Max. height for tube fit (mm) : 48</p>	M13	 1.5/2.0 mL	-	11.5 x 38 59	13,500 12,032
		 0.5 mL	TR0.5(2) 	8 x 37 54	13,500 11,003
		 0.2 mL	TR0.2(2) 	6.3 x 21 44	13,500 8,965
AEB-2.0-24  <p>Hole angle : $\angle 45^\circ$ Max. Capacity : 12 x 1.5/2.0 mL Size (Ø x H) : Ø171.6 x 57 mm Max. height for tube fit (mm) : 52</p>	M15R	 1.5/2.0 mL	-	11.1 x 39 84.3	15,000 21,206
		 0.5 mL	TR0.5(2) 	8 x 31 73	15,000 18,363
		 0.2 mL	TR0.2(2) 	6.5 x 23 67	15,000 16,854
A5.0-6  <p>Hole angle : $\angle 50^\circ$ Max. Capacity : 6 x 5.0 mL Size (Ø x H) : Ø104 x 37.4 mm Max. height for tube fit (mm) : 60</p>	M13	 5 mL	-	16.8 x 29 65	6,000 2,612
AE-5.0c-10  <p>Hole angle : $\angle 45^\circ$ Max. Capacity : 10 x 5.0 mL Size (Ø x H) : Ø176 x 60 mm Max. height for tube fit (mm) : 68</p>	M15R	 5 mL	-	17 x 53 85.8	15,000 21,583
A2.0MP-24  <p>Hole angle : $\angle 45^\circ$ Max. Capacity : 12 x 1.5/2.0 mL Size (Ø x H) : Ø172 x 38.5 mm Max. height for tube fit (mm) : 56 incl.plastic lid</p>	M15S	 1.5/2.0 mL	-	11.1 x 39 84.3	15,000 21,206
		 0.5 mL	TR0.5(2) 	8 x 31 73	15,000 18,363
		 0.2 mL	TR0.2(2) 	6.5 x 23 67	15,000 16,854