



HANIL SCIENTIFIC MICROCENTRIFUGES

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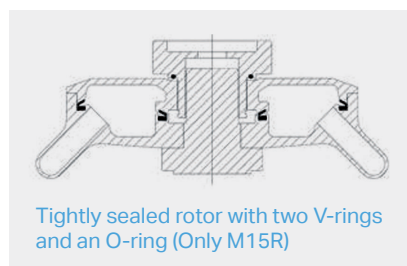


M15R / M15S

High Speed Refrigerated Microcentrifuge / High Speed Air Ventilated Microcentrifuge



- Max. 15,000 RPM with 24 hole rotor spec that can cover all molecular biology works
- Ideal for very quiet and fast operation
- Easy to readable graphical LCD display
- Motorized lid mechanics with a gentle touch for the lid's opening and closure
- Easy-to-clean, UV resistant surface and stainless steel chamber
- Compact design and light-weight



- Only M15R**
- 10 x 5.0 mL, 24 x 2.0 mL or 4 PCR strip rotor with aluminum lid
 - NEW "Easy-Lock" rotor lid allowing easy and convenient lid opening and closure
 - Tightly sealed rotor with two V-shape rubber rings and an O-ring

- Only M15S**
- Plastic, snap-fit button lid of 24 hole rotor for convenient and time saving usage

Rotor for M15R

Cat. No.	AE-5.0c-10	AEB-2.0-24	AEB-0.2-32
Max. Capacity	10 x conical 5.0 mL	24 x 1.5/2.0 mL	4 x 8-tube strip
Max. Speed	15,000	15,000	12,500
Max. g-force	21,583	21,206	9,852

Rotor for M15S

Cat. No.	A2.0MP-24
Max. Capacity	24 x 1.5/2.0 mL
Max. Speed	15,000
Max. g-force	21,206

* Adaptors Available for smaller tubes



M13

Personal Microcentrifuge



- Rotating knobs enable quick setting of time & speed
- Very quiet operation even at max. speed of 13,500 RPM
- Deceleration within 8 sec even at max speed
- Any types of micro tubes up to 5.0 mL can be loaded
- Compact design and non-slip silicone rubber foot

mini 6 / mini 6-RC

Spinner



- One spin action simply by closing the lid
- Safety stop by opening the lid
- Selectable operation modes between short spin & continuous 15 minutes
- Interchangeable rotors for 6 micro tubes & 2 PCR strips
- Useful when there are not enough power lines in BSCs, refrigerators, incubators, etc. (M6-RC only)
- Can be used immediately for outdoor or on-site experiments.(M6-RC only)

Rotor for M13

Cat. No.	A5.0-6	A2.0-12	A0.2-32
Max. Capacity	6 x 5.0 mL	12 x 1.5/2.0 mL	4 x 8-tube strip
Max. Speed	6,000	13,500	6,000
Max. g-force	2,612	12,032	1,773 ~ 2,241

* Adaptors Available for smaller tubes

Rotor for mini 6 / mini 6-RC

Cat. No.	A2.0-6	A0.2-16
Max. Capacity	6 x 1.5/2.0 mL	2 x 8-tube strip
Max. Speed	6,500	6,500
Max. g-force	2,234	1,412

* Adaptors Available for smaller tubes

Technical Specifications

	M15R	M15S	M13	mini 6	mini 6-RC*
Max. RPM / Fixed angle	15,000 rpm	15,000 rpm	13,500 rpm	6,500 rpm	
Max. RCF / Fixed angle	21,583 xg	21,206 xg	12,032 x g	2,234 xg	
Max. capacity / Fixed angle	10 X 5.0 mL 24 x 1.5/2.0 mL 4 PCR strips	24 x 1.5/2.0 mL	6 x 5.0 mL 12 x 1.5/2.0 mL 4 PCR strips	6 x 1.5/2.0 mL 2 PCR strips	
ACC/DEC ramps	9/10 steps	9/10 steps	-	-	
Acc. time to max. speed	≤15 sec	≤15 sec	≤18 sec	-	
Dec. time from max. speed	≤15 sec	≤15 sec	≤8 sec	-	
Temp range (°C)	-10°C to 40°C	-	-	-	
Time control	< 100 min, pulse, continuous		≤15 min, pulse	15 min (or 10 sec) or pulse	
Time counting	From Starting	From Starting	From Starting	From Starting	
Program memory	10	10	-	-	
Imbalance cutoff / tracking	Yes	Yes	-	-	
Rotor identification	manual	manual	-	-	
Dimension (W x D x H, mm)	285 x 593 x 281	293 x 380 x 242	189 x 202 x 129	150 x 150 x 90	
Height with open lid (incl. a wheel)	525	455	263	191	
Weight without rotor	33 kg	15 kg	1.5 kg	650 g	790 g
Power requirement	1.5 KVA (6.8A)	500 VA (2.3A)	100 W (0.5A)	7 W (0.03A)	
Power input (V, Hz)	210V~240V, 50/60Hz (110V optional)			100~240 V, 50/60 Hz	
				AC adaptor	AC adaptor or rechargeable Li-Battery

* **Cordless type** : Once the built-in lithium battery is charged, mini 6-RC can run 150 times in short spin-down mode and 30 minutes in continuous mode.

Ordering Information

Main Body	
M15R	High speed refrigerated microcentrifuge without rotor
M15S	Microcentrifuge including 24 microtubes Angle Rotor with Plastic Lid (220V, 50/60Hz)
M13	Microcentrifuge without rotor
mini 6	Microcentrifuge Including Fixed Angle Rotor (6 x 1.5/2.0 mL) & PCR rotor (2 PCR strips)
mini 6-RC	Microcentrifuge Including Fixed Angle Rotor (6 x 1.5/2.0 mL) & PCR rotor (2 PCR strips) (rechargeable Li-Battery)
Rotors / Adaptors	
AE-5.0c-10	A Fixed Angle Microtube Easy-Lock Rotor of M15R with aluminum lid for 10 x 5.0 mL conical tubes
AEB-2.0-24	A Fixed Angle Microtube Easy-Lock Bio-SafeRotor of M15R with aluminum lid for 24 microtubes
A2.0MP-24	Angle Rotor of 24 Microtubes with Plastic Lid for M15S
AEB-0.2-32	A Fixed Angle PCR-tube Easy-Lock Bio-Safe Rotor of M15R with aluminum lid for 32 PCR tubes or 4 rows of PCR strips
A5.0-6	A Fixed Angle Rotor of 6 x 5 mL tube for M13
A2.0-12	A Fixed Angle Rotor of 12 Microtubes for M13
A0.2-32	A Fixed Angle Rotor of PCR strip tubes for M13
A2.0-6	A Fixed Angle Rotor of 12 Microtubes for mini 6, mini 6-RC
A0.2-16	A Fixed Angle Rotor of PCR strip tubes for mini 6, mini 6-RC
TR0.2(2)	0.2 mL Adaptor for Microtube Rotor
TR0.5(2)	0.5 mL Adaptor for Microtube Rotor

공식 판매처



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