



CENTRIFUGES CATALOG

Practical Solutions for Sample Separation

	Microcentrifuges				
					
	OT-mini 6	OT-1312	OT-M15S	OT-M15R	OT-1848R
Max. RPM / Fixed angle	6,500 rpm	13,500 rpm	15,000 rpm	15,000 rpm	18,000 rpm
Max. RPM / Swing-out	-	-	-	-	13,000 rpm
Max. RCF / Fixed angle	2,234 xg (1.5/2.0 mL tube) 1,412 xg (PCR strip)	12,300 x g	21,206 xg	21,583 xg	30,356 x g
Max. RCF / Swing-out	-	-	-	-	16,438 x g
Max. capacity / Fixed angle	6 x 1.5/2.0 mL 2 PCR strips	12 x 1.5 / 2.0 mL	24 x 1.5/2.0 mL	24 x 1.5/2.0 mL	48 x 1.5 / 2.0 mL
Max. capacity / Swing-out	-	-	-	-	6 x 4 x 1.5 / 2.0 mL
Settable Min. RPM	-	1,200	400	400	300
Speed accuracy	±10%	±2%	±2%	±2%	±2%
RCF/RPM conversion	±10%	Yes	Yes	Yes	Yes
Temperature range (°C)	-	-	-	-10°C to 40°C	-12°C to 40°C
FAST cool button	-	-	-	Yes	Yes
Key lock function	-	-	-	-	Yes
Time control	Selectable, Short (12 sec) or Continuous (15 min)	Pulse or timed ≤30 min	Pulse, Timed < 100 min or continuous		Pulse, timed < 10 hr or continuous
Time counting	-	From starting	Selectable, at set speed or from starting		
Noise level (dependent on rotor)	≤56 dB	≤56 dB	< 60 dB	< 60 dB	≤60 dB
ACC/DEC ramps	-	-	9/10	9/10	9/10
Program memory	-	-	10	10	100
Rotor identification	-	-	N / Dedicated rotor	Manual	Automatic
Imbalance cutout	-	-	Yes	Yes	Yes
Safety lid lock	-	Yes	Yes	Yes	Yes
Motorized door open & close	-	-	-	-	Yes
Power supply (V/Hz)	100-230V, 50/60Hz	220-230V~, 50/60Hz (110V 60Hz optional)			
Power Requirement	7W	110VA	500VA	2.5 kVA	2.0 KVA
Dimension (W x D x H, mm)	150 x 150 x 103	208 x 245 x 145	293 x 380 x 242	285 x 593 x 281	380 x 654 x 312
Weight without rotor	650 g	4.4 kg	15 kg	33 kg	53.5 kg
Cat. No.	OT-mini 6	OT-1312	OT-M15S	OT-M15R	OT-1848R

OT-1312

Micro Centrifuge

The OT-1312 centrifuge is a personal minifuge for individual workstations



Features

- Supplied with an 12 x 2.0 mL, autoclavable, anodized aluminum rotor and click-seal plastic lid.
- Automatic rpm/rcf conversion
- Automatic lid opening function, at the completion of a run, serves to both indicate the end of the process and to prevent sample warming
- Lid drop protection design allows easiness and safety when loading or unloading samples.

Technical Specifications

	OT-1312
Max. RPM	13,500 rpm
Max. RCF	12,300 x g
Max. capacity	12 x 1.5 / 2.0 mL
Settable Min. RPM	1,200
RCF/RPM conversion	Yes
Time control	Pulse or timed ≤30 min
Time counting	From starting
Noise level (dependent on rotor)	≤56 dB
Safety lid lock	Yes
Power supply (V/Hz)	220-230V~, 50/60Hz (110V 60Hz optional)
Power Requirement (VA)	110VA
Dimension (W x D x H, mm)	208 x 245 x 145
Weight without rotor	4.4 kg
Cat. No.	OT-1312

Fixed Angle Rotor
GRF-m2.0-12

- Capacity : 12 x 1.5 / 2.0 mL
- Max. RPM : 13,500
- Max. RCF : 12,300 xg
- Autoclaveable PP snap-fit lid rotor
- Supplied with centrifuge



Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
0.5	10,290	GAS-m0.5(2)
0.2	8,863	GAS-m0.2(2)

Fixed Angle Rotor
GRF-m2.0-12-b

- Capacity : 12 x 1.5 / 2.0 mL
- Max. RPM : 13,500
- Max. RCF : 12,300 xg
- Anodized aluminum screw lid rotor



Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
0.5	10,290	GAS-m0.5(2)
0.2	8,863	GAS-m0.2(2)

Fixed Angle Rotor
GRF-m1.8-10

- Capacity : 10 x 1.8 mL Cryotube
- Max. RPM : 13,500
- Max. RCF : 12,300 xg
- Autoclaveable PP snap-fit lid rotor



Angle Rotor
GRA-s0.2-32

- Capacity : 4 x 8-Tube PCR strips, 32 x 0.2 mL
- Max. RPM : 6,000
- Max. RCF : 1,850 xg



OT-M15S

Micro Centrifuge

The OT-M15S is a compact microcentrifuge designed for routine molecular biology applications



Features

- Supplied with an 24 x 2.0 mL, autoclavable, anodized aluminum rotor and click-seal plastic lid.
- Automatic rpm/rcf conversion
- Automatic lid opening function, at the completion of a run, serves to both indicate the end of the process and to prevent sample warming
- Selectable time mode of "at set SPEED" for counting running time only when reached the set speed
- A separate "PULSE" key for quick spin
- Lid drop protection design allows easiness and safety when loading or unloading samples.

Technical Specifications

OT-M15S	
Max. RPM	15,000 rpm
Max. RCF	21,206 xg
Max. capacity	24 x 1.5/2.0 mL
Settable Min. RPM	400
RCF/RPM conversion	Yes
Time control	Pulse, Timed < 100 min or continuous
Time counting	Selectable, at set speed or from starting
Noise level (dependent on rotor)	< 60 dB
ACC/DEC ramps	9/10
Program memory	10
Rotor identification	N / Dedicated rotor
Imbalance cutout	Yes
Safety lid lock	Yes
Power supply (V/Hz)	220-230V~, 50/60Hz (110V 60Hz optional)
Power Requirement (VA)	500 VA
Dimension (W x D x H, mm)	293 x 380 x 242
Weight without rotor	15 kg
Cat. No.	OT-M15S

Fixed Angle Rotor
A2.0-MP-24

- Capacity : 24 x 1.5 / 2.0 mL
- Max. RPM : 15,000
- Max. RCF : 21,206 xg
- Autoclaveable PP snap-fit lid rotor
- Supplied with centrifuge



Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
0.5	18,363	TR0.5(2)
0.2	16,854	TR0.2(2)



OT-M15R

Micro Centrifuge

The OT-M15R is a general refrigerated microcentrifuge designed for routine molecular biology applications for temperature sensitive samples or back to back runs



Bio

Features

- Bio-seal (Public Health England Porton Down) certified Easy-lock rotor for aerosol tight operation of harmful samples
- Automatic rpm/rcf conversion
- Compressor-off function when lid is open minimizes unnecessary cooling and frosting.
- Temperature range from -10°C to +40°C
- 'Fast cool' function, R.T. to 4°C in 5 minutes for fast start up of cooled samples
- Selectable time mode of "at set SPEED" for counting running time only when reached the set speed
- A separate "PULSE" key for quick spin
- Lid drop protection design allows easiness and safety when loading or unloading samples.

Technical Specifications

OT-M15R	
Max. RPM	15,000 rpm
Max. RCF	21,583 xg
Max. capacity	24 x 1.5/2.0 mL
Settable Min. RPM	400
RCF/RPM conversion	Yes
Temperature range (°C)	-10°C to 40°C
FAST cool button	Yes
Time control	Pulse, Timed < 100 min or continuous
Time counting	Selectable, at set speed or from starting
Noise level (dependent on rotor)	< 60 dB

ACC/DEC ramps	9/10
Program memory	10
Rotor identification	Manual
Imbalance cutout	Yes
Safety lid lock	Yes
Power supply (V/Hz)	220-230V~, 50/60Hz (110V 60Hz optional)
Power Requirement (VA)	2.5 kVA
Dimension (W x D x H, mm)	285 x 593 x 281
Weight without rotor	33 kg
Cat. No.	OT-M15R

Fixed Angle Rotor
AE-5.0c-10

- Capacity : 10 x 5 mL Conical
- Max. RPM : 15,000
- Max. RCF : 21,583 xg
- Easy-lock feature



Fixed Angle Rotor
AEB-2.0-24

- Capacity : 24 x 1.5 / 2.0 mL
- Max. RPM : 15,000
- Max. RCF : 21,206 xg
- Easy-lock, Bio-safe feature



Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
0.5	18,363	TR0.5(2)
0.2	16,854	TR0.2(2)

Fixed Angle Rotor
AEB-0.2-32

- Capacity : 4 x 8-Tube PCR strips, 32 x 0.2 mL
- Max. RPM : 12,500
- Max. RCF : 9,852 xg
- Easy-lock, Bio-safe feature



OT-1848R

Micro Centrifuge

The OT-1848R is a extended throughput, refrigerated microcentrifuge engineered to accommodate up to 50 mL conical tubes, making it suitable for temperature-sensitive and high-throughput applications within limited benchtop space



Features

- Bio-seal (Public Health England Porton Down) certified Easy-lock rotor for aerosol tight operation of harmful samples
- Automatic rpm/rcf conversion
- Compressor-off function when lid is open minimizes unnecessary cooling and frosting.
- Temperature range from -12°C to 40°C
- 'Fast cool' function, R.T. to 4°C in 5 minutes for fast start up of cooled samples
- Selectable time mode of "at set SPEED" for counting running time only when reached the set speed
- A separate "PULSE" key for quick spin
- Intuitive control interface with numeric input buttons allows easy setting and editing of running conditions.
- Key lock function helps the set parameters secured during operation.
- Lid drop protection design allows easiness and safety when loading or unloading samples.

Technical Specifications

OT-1848R	
Max. RPM / Fixed angle	18,000 rpm
Max. RPM / Swing-out	13,000 rpm
Max. RCF / Fixed angle	30,356 xg
Max. RCF / Swing-out	16,438 xg
Max. capacity / Fixed angle	48 x 1.5/2.0 mL
Max. capacity / Swing-out	6 x 4 x 1.5/2.0 mL
Settable Min. RPM	300
RCF/RPM conversion	Yes
Temperature range (°C)	-12°C to 40°C
FAST cool button	Yes
Key lock function	Yes
Time control	Pulse, timed < 100 hr or continuous
Time counting	Selectable, at set speed or from starting

Noise level (dependent on rotor)	≤60 dB
ACC/DEC ramps	9/10
Program memory	10
Rotor identification	Automatic
Imbalance cutout	Yes
Safety lid lock	Yes
Motorized door open & close	Yes
Power supply (V/Hz)	220-230V~, 50/60Hz (110V 60Hz optional)
Power Requirement (VA)	2.0 KVA
Dimension (W x D x H, mm)	380 x 654 x 312
Weight without rotor	53.5 kg
Cat. No.	OT-1848R

Fixed Angle Rotor

GRF-M-c50-8

Capacity : 8 x 50 mL Conical

Max. RPM : 8,500 / Max. RCF : 8,893 xg

Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
50	8,651	GAS-50(c50)
30	8,595	GAS-30(c50)
25 conical	7,544	GAS-c25(c50)
15 conical	8,635	GAS-c15(c50)



Fixed Angle Rotor

GRF-M-c15-12

- Capacity : 12 x 15 mL Conical
- Max. RPM : 8,500 / Max. RCF : 8,611 xg

Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
14	7,843	GAS-14(c15)
5 conical	6,842	GAS-c5(c15)



Fixed Angle Rotor

GRE-M-m5.0-20

- Capacity : 20 x 5 mL Conical
- Max. RPM : 13,000 / Max. RCF : 20,595 xg
- Easy-lock feature



Fixed Angle Rotor

GRE-M-m2.0-48

- Capacity : 48 x 1.5 / 2.0 mL
- Max. RPM : 13,000 / Max. RCF :18,479 xg
- Easy-lock feature

Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
0.5	16,532	GAS-m0.5(2)
0.2	15,210	GAS-m0.2(2)



Fixed Angle Rotor

GREB-M-m2.0-24

- Capacity : 24 x 1.5 / 2.0 mL
- Max. RPM : 18,000 / Max. RCF : 30,536 xg
- Easy-lock, Bio-safe feature

Bio-Safe**Porton Down Certified**

Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
0.5	26,443	GAS-m0.5(2)
0.2	24,270	GAS-m0.2(2)



Fixed Angle Rotor

GRE-M-s0.2-64

- Capacity : 8 x 8-Tube PCR strips, 64 x 0.2 mL
- Max. RPM : 12,500
- Max. RCF : 11,722
- Easy-lock feature



Windshield, Swing-out Rotor

GRD-M-m2.0-24

- Capacity : 24 x 1.5 / 2.0 mL
- Max. RPM : 13,000
- Max. RCF : 16,438 xg

Adaptors

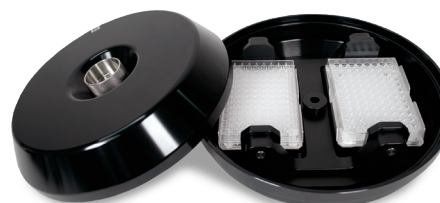
Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
0.5	14,737	GAS-m0.5(2)
0.2	13,226	GAS-m0.2(2)



Windshield, Swing-out Rotor

GRD-M-mw-2

- Capacity : 2 x MTP
- Max. RPM : 6,100
- Max. RCF : 3,432 xg





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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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