

OT-1848R

Micro Centrifuge

The 1848R is an 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

| 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 < 10 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

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



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

