

1730R

Refrigerated, High-Speed Micro Centrifuge



- | The refrigerated microcentrifuge, 1730R is a "must-have" item for molecular and cellular lab works with max speed of 17,000 rpm (27,237 xg).
- | Maximum capacity for 30 microtubes or 18 microfilter tubes or 64 PCR tubes
- | Fast cooling function to 4°C in 5 minutes for fast start up of cooled samples
- | The compressor-off function when lid is open minimizes unnecessary cooling and frosting.
- | Teflon coated rust-free chamber
- | Very quiet operation at less than 56 dB allows for comfortable laboratory environment.
- | Selectable time mode of "at set SPEED" for counting running time only when reached the set speed
- | A separate "PULSE" key for quick spin
- | Parameters can be changed during operation.
- | Key lock function helps the set parameters secured during operation.



- | **Applications** Molecular works of ethanol precipitation, phenol extraction, NA preparation, cell collection, spin-down of temperature sensitive reaction mixtures, etc.

Technical Specifications

Max. RPM/RCF	17,000 / 27,237 xg	Display	Blue LCD
Max. capacity	30 x 1.5/2.0 ml, 8 x 8-tube PCR strips	Automatic rotor identification	Yes
Temp. range (°C)	-20 to +40	Imbalance cut-off	Yes
FAST cool button	Yes	Safety lid lock	Yes
Time control	Pulse, timed < 100 min or continuous	Lid drop protection	Yes
Time counting modes	Selectable, at set speed or from starting	Power supply (V/Hz)	220/50~60 (110V optional)
RPM/RCF conversion	Yes	Power requirement (kVA)	2.0
Noise level (dB)	≤ 56	Dimension (W x D x H, mm)	310 x 620 x 265
ACC/DEC (step or time)	9/10 steps (17/17 sec)	Weight without rotor (kg)	43
Program memory	100	CE mark	Yes
Parameters on display window	RPM (RCF), Oper Status, Lid Open/Close, Min:Sec, Temp, ACC, DEC	Cat. No.	GZ-1730R

Fixed Angle Rotor, GRF-M-m2.0-24

24 x 1.5/2.0 ml
 ∩ 45°
 Hole diameter (mm) : 11.1
 Max. height for tube fit (mm) : 52
Supplied with O-ring sealed



Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat. No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore (Φ x L, mm)	6.5 x 23	8 x 31	-
Radius (mm) (24/30)	67/79	73/86	84.3/96.4
Max. RPM (24/30)	17,000/14,000		
Max. RCF (g-force) (24/30)	21,648/17,311	23,910/18,845	27,237/21,124

Fixed Angle Rotor, GRF-M-m2.0-30

30 x 1.5/2.0 ml
 ∩ 45°
 Hole diameter (mm) : 11.1
 Max. height for tube fit (mm) : 52
Supplied with O-ring sealed



Fixed Angle Rotor, GRF-M-m2.0-18

18 x 1.5/2.0 ml filter tube
 ∩ 45°
 Hole diameter (mm) : 11.1
 Max. height for tube fit (mm) : 65
Supplied with O-ring sealed

Tube				
Tube capacity (ml)	0.2	0.5	1.5/2.0	2.0 ml filter tube
Adaptor			None	None
Cat. No.	GAS-m0.2(2)	GAS-m0.5(2)	-	-
Adaptor bore (Φ x L, mm)	6.5 x 23	8 x 31	-	-
Radius (mm)	57.8	63.8	75.1	64.2
Max. RPM	15,000			
Max. RCF (g-force)	14,540	16,049	18,891	16,150



Fixed Angle Rotor, GRD-M-m2.0-16

16 x 1.5/2.0 ml
 ∟ 90°
 Hole diameter (mm) : 11.1
 Max. height for tube fit (mm) : 43

Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat. No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Bucket Capacity(ea/4)	4/16		
Adaptor bore (Φ x L, mm)	6.5 x 23	8 x 31	-
Radius (mm)	66	74	83
Max. RPM	13,000		
Max. RCF (g-force)	12,470	13,982	15,682



Fixed Angle Rotor, GRD-M-m2.0-8

8 x 1.5/2.0 ml
 ∟ 90°
 Hole diameter (mm) : 11.1
 Max. height for tube fit (mm) : 50

Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat. No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore (Φ x L, mm)	6.5 x 23	8 x 31	-
Radius (mm)	68.5	76.5	86.5
Max. RPM	13,000		
Max. RCF (g-force)	12,943	14,454	16,343



PCR Rotor, GRF-M-s0.2-64

8 x 8-tube PCR strips, 64 x 0.2 ml
 ∟ 45°
 Hole diameter (mm) : 6.5
 Max. height for tube fit (mm) : 16

Tube		
Tube capacity (ml)	0.2	8-tube PCR strip
Radius (mm)	58.6 (inner) / 67.1 (outer)	
Max. RPM	12,500	
Max. RCF (g-force)	10,237 (inner) / 11,722 (outer)	