

# MicroCentrifuges



## 1730R

Refrigerated, high speed microcentrifuge



- | Max. 17,000 rpm/27,237 g with 24-hole microrotor
- | Max. 30 microtubes, 64 PCR tubes
- | Strong, triple laminated ABS/Steel door with auto-lock function
- | High capacity, strong compressor ensures fast cooling of chamber and samples
- | Fast cool down function- reach 4°C within 5 minutes
- | Compressor cut-off when door is open, minimizes frosting
- | LCD display of speed, remaining time, and temperature
- | Time setting to 99 min 59 sec or continuous
- | 5 acceleration and 6 deceleration ramps
- | "Pulse" key for quick runs
- | Automatic recognition and alarms for imbalance, over-speed, and over-heat
- | Program memory for up to 100 programs
- | Select a 24 or 30 position, autoclavable rotor with O-ring sealed lid
- | Optional PCR rotor for 8 strips
- | Optional adaptors for 0.5 ml or 0.2 ml microtubes



### Applications

All kinds of molecular biology experiments such as Ethanol precipitation, phenol extraction, NA preparation, cell-down, etc.  
Simple spin-down of temperature sensitive reaction mixtures.

### Technical Specifications

Max. RPM/RCF	17,000/27,237 xg
Max. capacity	30 x 2.0 mL, 8 x 8-tube PCR strips
Temp. range (°C)	-20~+40
FAST COOL button	Yes
Time control	Pulse, timed < 100 min or continuous
RPM/RCF conversion	Yes
Noise level (dB)	≤ 56
Acc/Dec	5/6 steps
Program memory	100
Rotor identification	Automation

Imbalance cut off	Yes
Display	Blue LCD
Safety lid lock	Yes
Lid drop protection	Yes
Power supply (V/Hz)	220/50-60 (110V optional)
Power requirement (KVA)	2.0
Dimension (W x D x H, mm)	310 x 620 x 265
Weight without rotor (Kg)	43
CE mark	Yes
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) : 56  
 Supplied with aerosol tight O-ring



### 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) : 56  
 Supplied with aerosol tight O-ring





Tube			
Tube capacity(mL)	0.2	0.5	1.5/2.0
Adaptor			None
Cat. No.	<a href="#">GAS-m0.2(2)</a>	<a href="#">GAS-m0.5(2)</a>	-
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

### 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)	8-tube PCR strip	0.2
Radius(mm)	1st : 58.6 / 2nd : 67.1	
Max. RPM	12,500	
Max. RCF(g-force)	1st : 10,237 / 2nd : 11,722	