

MICRO CENTRIFUGES

MINI • 1536 • 1730R



Experts in Laboratory Equipment

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Design

Smart and sophisticated in design, GYROZEN Micro Centrifuges will transform the way you work. And they don't just work beautiful, they look beautiful.

Safety

The rock-solid construction of all our products and our exceptional safety measures like the automatic lid lock function will guarantee you a safer and more reliable work environment.

Operation

Operating flawlessly at the lightest touch of your fingertips, the simple and intuitive control panels deliver an experience that is easy and efficient. A full description of the operation status on the display panels makes for a smarter and more informative experience.

Versatility

GYROZEN Micro Centrifuges are perfect for all kinds of laboratory work. Featuring highly diverse functions and a large assortment of rotors and tube adaptors to choose from, any single product will enable you to operate with maximum versatility.



For Your Bench, and Your Bench Only

mini

These vibrant and highly affordable mini centrifuges will liven up any laboratory environment. Get your very own mini and add a splash of color to your bench.

12 microtubes or 10 cryotubes can be run at 13,500 rpm at the maximum.

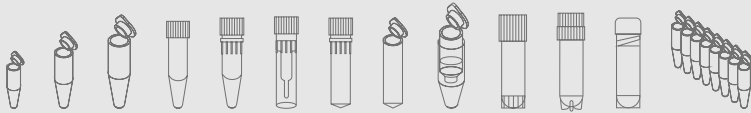


- ✓ Minimal Noise and Minimal Heat
- ✓ Flawless Construction and Flawless Design
- ✓ Easy Control and Easy Monitoring

Compact and Versatile

- Built to accommodate PCR tubes, microtubes and cryotubes (0.2 to 2.0 ml)

Applicable Sample Containers



Intuitive and Ergonomic User Interface

- Intuitive control panel
- Highly legible blue-and-white display
- “Pulse” function for quick spins



Fully-Functioning Safety Architecture

- Patented air-cooling and anti-vibration architecture

Rotors for



GRF-m2.0-12

13,500 rpm / 12,300 xg
0.2 ~ 2.0 ml



GRF-m1.8-10

13,500 rpm / 12,300 xg
1.8 ml cryotube



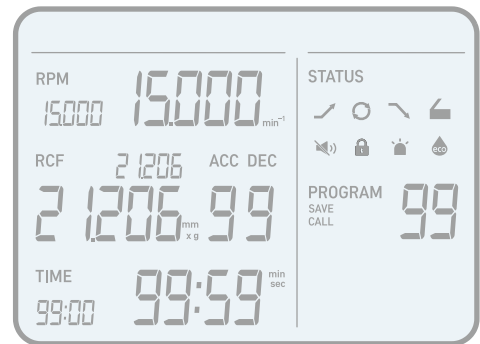
GRA-s0.2-32

6,000 rpm / 1,554 xg (inner) 1,850 xg (outer)
0.2 ml PCR strip (8 tube)

It's a Whole New Playing Field

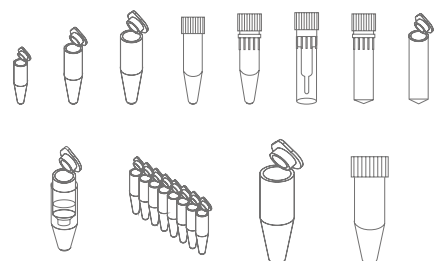
1536

Standing in its sleek curves, the 1536 boasts a highly ergonomic user interface that is unique in its class. As many as 36 of 2.0 ml microtubes or 10 of 5.0 ml microtubes can be run at a maximum of 15,000 rpm.



- ✓ Crisp, Clean, and Clear Display
- ✓ Engaging and Easy-to-use
- ✓ Sleek and Simple

Applicable Sample Containers



Intuitive and Ergonomic User Interface

- User-friendly numeric keypad for greater control
- Wide LCD display for efficient monitoring of operation status
- Simultaneous display of set values and actual operating status

Easy and Sophisticated Control

- Selectable time counting of “At Set Speed” or “From Starting”
- Saves up to 100 user-defined programs
- Parameters adjustable while running
- 9 acceleration and 10 deceleration ramps
- Easy opening and closing of rotor lid by simple clicking



Full-Functioning Safety Architecture

- Motorized lid closing and opening system
- Lid drop protection
- Key lock function
- Aerosol-tight, bio-seal Easy-Lock rotor with a set of O-rings



Watch this video clip for
GYROZEN's EASY-LOCK ROTOR.

Scan QR code with your phone.

The easiness of rotor open/closure through the “Easy Lock” rotor is fantastic. It even has the feature of aerosol-tight, bio-sealing by three O-rings. All rotors of 1536 and 1730R marked with 'GRE' in Cat. No. are easy lock type.

Rotors for 1536



GRE-m5.0-10

15,000 rpm / 21,583 xg
5.0 ml



GRE-m2.0-36

15,000 rpm / 21,206 xg
0.2 ~ 2.0 ml



GRE-m2.0-24

15,000 rpm / 21,206 xg
0.2 ~ 2.0 ml



GRE-s0.2-32

15,000 rpm / 14,187 xg
0.2 ml PCR strip (8-tube)

Back to the Basics, but Better

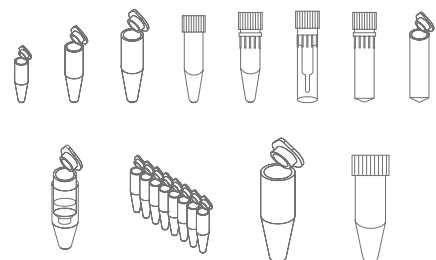
1730R

The 1730R, a refrigerated high-speed microcentrifuge, is a must-have for experiments in molecular and cellular biology. It can accommodate as many as 30 microtubes, 18 microfilter tubes, or 12 of 5.0 ml microtubes. It can spin at 17,000 rpm at the max with 24-place rotor for 1.5/2.0 ml tubes.



- ✓ Faster-than-ever speed and rapid cooling system
- ✓ Eco-friendly hibernation system
- ✓ Ergonomic control and display panel

Applicable Sample Containers



Eco-Friendly Technology

- Automatic compressor-off function in the lid opening

Fully-Functioning Safety Architecture

- Automatic rotor identification
- Automatic imbalance detection
- Lid drop protection

Intuitive and Refined Control

- Selectable time counting of “At Set Speed” or “From Starting”
- Saves up to 100 user-defined programs
- User-friendly soft touch panel
- 9 acceleration and 10 deceleration ramps
- Fast-cooling function (room temperature to 4°C in less than 5 min)
- Parameters adjustable while running



Rotors for 1730R



GRE-M-m5.0-12

15,000 rpm / 22,967 xg
5.0 ml



GRE-M-m2.0-30

14,000 rpm / 21,124 xg
0.2 ~ 2.0 ml



GRE-M-m2.0-24

17,000 rpm / 27,237 xg
0.2 ~ 2.0 ml



GRE-M-m2.0-18

15,000 rpm / 18,891 xg
0.2~2.0 ml microfilter tube



GRE-M-s0.2-64

12,500 rpm /
11,722 xg (outer), 10,237 xg (inner)
0.2 ml PCR strip (8 tube)



GRD-M-m2.0-16

13,000 rpm / 15,682 xg
0.2 ~ 2.0 ml






GRD-M-m2.0-8

13,000 rpm / 16,343 xg
0.2 ~ 2.0 ml

Ordering Information

Main Equipment

		mini	1536	1730R
Main equipment		 ○ White ● Pink ● Blue		
Cat. No.	for 220V	GZ-1312	GZ-1536	GZ-1730R
	for 110V	GZ-1312-110	GZ-1536-110	GZ-1730R-110
Max. RPM/RCF	Fixed Angle	13,500/12,300 xg	15,000/21,583 xg	17,000/27,237 xg
	Swing-out	-	-	13,000/16,343 xg
Max. capacity	Fixed Angle	12 x 2.0 ml 4 x 8-tube PCR strips	10 x 5.0 ml, 36 x 2.0 ml 4 x 8-tube PCR strips	12 x 5.0 ml, 30 x 2.0 ml 8 x 8-tube PCR strips
	Swing-out	-	-	16 x 2.0 ml
Temp. range (°C)		-	-	-20°C~ +40
Time control		Pulse or timed ≤30 min	Pulse, timed < 100 min or continuous	Pulse, timed < 100 min or continuous
Time at set speed		-	Yes	Yes
Noise level (dB)		~56	~60	~56
ACC / DEC ramps (time for Acc / to Dec)		≤ 12 / ≤ 16 sec	9/10 ramps (15/15 sec)	9/10 ramps (17/17 sec)
Program memory		-	100	100
Rotor identification		-	-	Automatic
Imbalance cut-off		-	Yes	Yes
Safety lid lock		Yes	Yes	Yes
Key lock		-	Yes	Yes
Lid drop protection		-	Yes	Yes
Power requirement (220V)		110 VA	450 VA	2 kVA
Dimension (W x D x H, mm)		208 x 245 x 145	240 x 378 x 240	310 x 620 x 290
Weight without rotor (kg)		4.4	11.9	43.0
CE mark		Yes	Yes	Yes

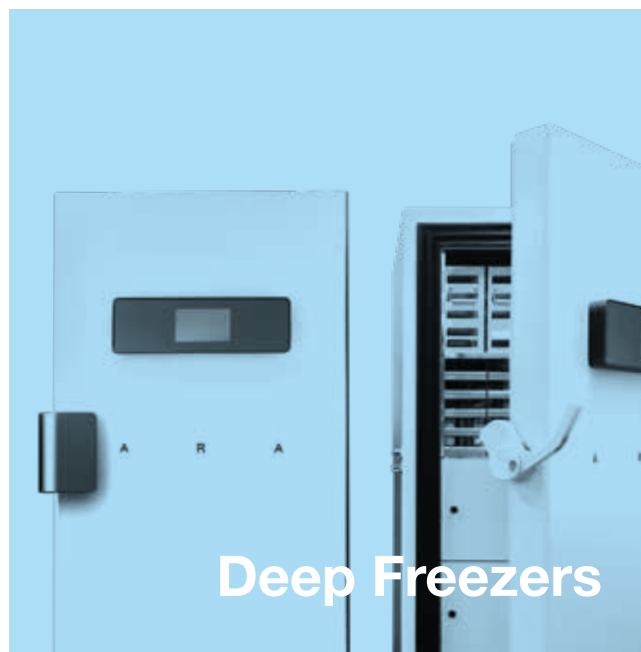
Rotors and Buckets

Cat. No. & Description	Max. Capacity	Max. Speed		Bore Size (hole diameter, mm)	Max. Height for tube fit (mm)	Radius (mm)
		RPM	RCF (xg)			
Fixed Angle Rotors for mini						
GRF-m2.0-12 12-hole microrotor for 1.5/2.0 ml microtubes with plastic snap fit lid	12 x 1.5/2.0 ml	13,500	12,300	11.1	42	60.4
GRF-m1.8-10 10-hole microrotor for 1.8 ml cryotubes with plastic snap fit lid	10 x 1.8 ml	13,500	12,300	12.8	50	60.4
GRA-s0.2-32 32-hole PCR rotor for 0.2 ml PCR strips	32 x 0.2 ml	6,000	outer : 1,850 inner : 1,554	6.5	16	outer : 46.0 inner : 38.6
Fixed Angle Rotors for 1536						
GRE-m5.0-10 10-hole microrotor for 5.0 ml microtubes with aluminum lid	10 x 5.0 ml	15,000	21,583	17	68	85.8
GRE-m2.0-36 36-hole microrotor for 1.5/2.0 ml microtubes and additional 12 holes for 0.2 ml with aluminum lid	36 x 1.5/2.0 ml and 12 x 0.2 ml	15,000	outer : 21,206 inner : 17,835 0.2 ml : 14,640	11.1	52	outer : 84.3 inner : 70.9 0.2 ml : 58.2
GRE-m2.0-24 24-hole microrotor for 1.5/2.0 ml microtubes with aluminum lid	24 x 1.5/2.0 ml	15,000	21,206	11.1	52	84.3
GRE-s0.2-32 32-hole PCR rotor for 0.2 ml PCR strips with aluminum lid	32 x 0.2 ml	15,000	14,187	6.5	16	56.4
Fixed Angle Rotors for 1730R						
GRE-M-m5.0-12 12-hole microrotor for 5.0 ml microtubes with aluminum lid	12 x 5.0 ml	15,000	22,967	17	68	91.3
GRE-M-m2.0-30 30-hole microrotor for 1.5/2.0 ml microtubes with aluminum lid	30 x 1.5/2.0 ml	14,000	21,124	11.1	52	96.4
GRE-M-m2.0-24 24-hole microrotor for 1.5/2.0 ml microtubes with aluminum lid	24 x 1.5/2.0 ml	17,000	27,237	11.1	52	84.3
GRE-M-m2.0-18 18-hole microrotor for 1.5/2.0 ml microtubes and filtertubes with aluminum lid	18 x 1.5/2.0 ml	15,000	18,891	11.1	65	75.1
GRE-M-s0.2-64 64-hole PCR rotor for 0.2 ml PCR strips with aluminum lid	64 x 0.2 ml	12,500	outer : 11,722 inner : 10,237	6.5	16	outer : 67.1 inner : 58.6
Swing-out Rotors for 1730R						
GRD-M-m2.0-16 Drum rotor for 1.5/2.0 ml microtubes of 4-hole 4 buckets	4 x 4 x 1.5/2.0 ml	13,000	15,682	11.1	43	83
GLB-m2.0-4(16) 4-hole bucket for drum rotor, GRD-M-m2.0-16	4 x 1.5/2.0 ml					
GRD-M-m2.0-8 Drum rotor for 1.5/2.0 ml microtubes of 1-hole 8 buckets	8 x 1.5/2.0 ml	13,000	16,343	11.1	48	86.5
GLB-m2.0(8) 1-hole bucket for drum rotor, GRD-M-m2.0-8	1 x 1.5/2.0 ml					

Adaptors

Cat. No. & Description	Applicable Rotors	Hole Dimension (Φ x L, mm)
GAS-m0.2(2) Adaptors for 0.2 ml	GRF-m2.0-12 / GRF-m1.8-10 / GRE-m2.0-36 / GRE-m2.0-24 / GRE-M-m2.0-30 / GRE-M-m2.0-24 / GRE-M-m2.0-18 / GRD-M-m2.0-16 / GRD-M-m2.0-8	6.5 x 23
GAS-m0.5(5) Adaptors for 0.5 ml		8 x 31

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