

624R



GYROZEN 624R is a compact bench-top refrigerated centrifuge with versatility, convenience, stability and sophisticated design and leads to reliable experimental results. It can spin samples up to a capacity of four 100 ml at 4,200 rpm (3,059 x g) and six 50 ml conical at max. 6,000 rpm (3,960 x g). This model provides three kinds of fixed-angle rotors for micro tubes, 15 ml and 50 ml tubes as well as four swing-out rotors. The comprehensive range of rotors and accessories makes it possible for efficient and versatile performances. The sleek, ergonomic design, vivid display and intuitive control will create a new laboratory environment that is never seen anywhere else. You can choose the color of the control panel between onyx black or clean white. GYROZEN 624R is used in general laboratories and clinical applications including sample separations of cellular materials and blood, and ideal for appropriate experiments for temperature-sensitive samples.

► Applications

- Ideal for cellular and molecular biology work, clinical preparations, industrial applications, etc.
- General laboratory applications including sample separations of cellular materials, blood, urine, sperm, etc.
- Clinical applications including PRP, PRF and stem cell isolation

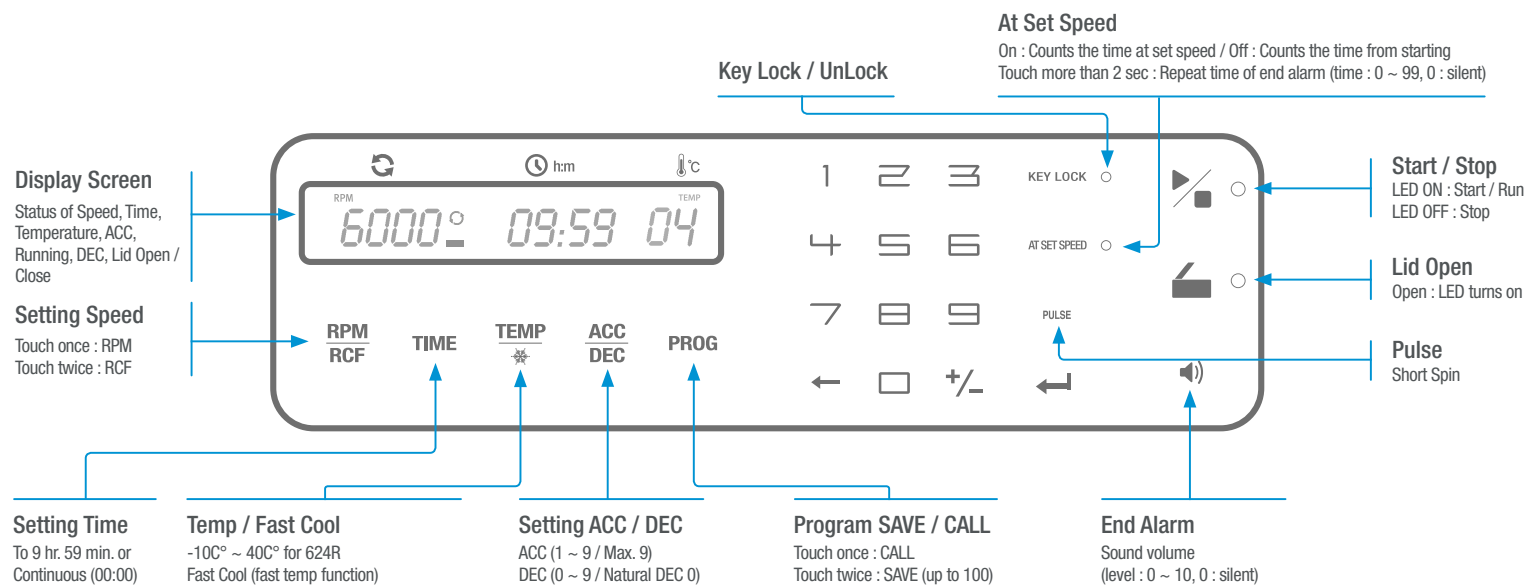
► Technical Specifications

Max. RPM/RCF	Fixed angle	6,000 / 3,960 xg	Parameters on display window	RPM (RCF), Oper Status, Lid Open/Close, Hr:Min, Temp, ACC, DEC
	Swing-out	4,800 / 3,888 xg		
Max. capacity	Fixed angle	6 x 50 ml, 24 x 15 ml	Display	White LCD
	Swing-out	4 x 100 ml, 32 vacutainer tube, 4 MTPs	Automatic rotor identification	Yes
Temp. range (°C)		-10 to +40	Imbalance cut-off	Yes
FAST cool button		Yes	Safety lid lock	Yes
Time control		Pulse, timed < 10 hr or continuous	Lid drop protection	Yes
			Motorized lid open & close	Yes
Time counting modes		Selectable, at set speed or from starting	Power supply	230 V, 50 Hz (AC 220-230 V, 50/60 Hz; 110 V optional)
			Power requirement (VA)	900
RPM/RCF conversion		Yes	Dimension (W x D x H, mm)	584 x 535 x 317
Noise level (dB)		~ 60	Weight without rotor (kg)	65
ACC/DEC		9/10 steps	CE mark	Yes
Program memory		100	Cat. No.	GZ-0624R-W (White display), GZ-0624R-B (Black display)

► Features

- For up to 6,000 rpm (3,960 xg) with 6 x 50 ml conical tubes and 4,800 rpm (3,888 xg) with 4 x 100 ml tubes
- Commonly used in the fractionation of blood samples and simple precipitation of biological samples
- Fast cooling function to 4°C in 5 minutes for fast startup of cooled samples
- The compressor-off function when lid is open minimizes unnecessary cooling and frosting
- Intuitive control interface with numeric input buttons allows easy setting and editing of running conditions.
- The control panel design can be selected according to user's preference. (The black or white control panel is optionally available.)
- 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.
- With motorized lid mechanics, only a gentle touch is sufficient to close and open the lid.
- Lid drop protection design allows easiness and safety when loading or unloading samples.
- A large assortment of rotors, buckets and adaptors for microtubes and all sizes of tubes up to 100 ml

► Control Panel



Swing-out Rotor, GRS-SR-50-4

4 loadings
 $\angle 90^\circ$



Round 50 ml Bucket
GLB-50-50

Bucket bore(Φ x L, mm)
 : 30.5 x 91
 Radius(mm) : 150.9
 Max.RPM : 4,800
 Max.RCF(g-force) : 3,888
 Max.height for tube fit(mm) : 125

Tube				
Tube capacity (ml)	15	15 ml conical	50 ml conical	50
Adaptor			None	
Cat. No.	GAS-u15(50)	GAS-c50(50)	-	
Adaptor bore (Φ x L, mm)	17.3 x 87	29.5 x 17.5	-	



Conical 50 ml Bucket
GLB-c50-50

Bucket bore(Φ x L, mm)
 : 29.5 x 91.5
 Radius(mm) : 150.9
 Max.RPM : 4,800
 Max.RCF(g-force) : 3,888
 Max.height for tube fit(mm) : 125

Tube	
Tube capacity (ml)	50 ml conical



Round 15 ml Bucket
GLB-15-50

Bucket bore(Φ x L, mm)
 : 17 x 93
 Radius(mm) : 150.9
 Max.RPM : 4,800
 Max.RCF(g-force) : 3,888
 Max.height for tube fit(mm) : 125

Tube	
Tube capacity (ml)	15



Conical 15 ml Bucket
GLB-c15-50

Bucket bore(Φ x L, mm)
 : 17 x 93
 Radius(mm) : 150.9
 Max.RPM : 4,800
 Max.RCF(g-force) : 3,888
 Max.height for tube fit(mm) : 120

Tube	
Tube capacity (ml)	15 ml conical



Dual Round 15 ml Bucket
GLB-d15-50

Bucket bore(Φ x L, mm)
 : 17 x 91.5
 Radius(mm) : 150.9
 Max.RPM : 4,800
 Max.RCF(g-force) : 3,888
 Max.height for tube fit(mm) : 120

Tube	
Tube capacity (ml)	15
Bucket capacity (ea/4)	2/8



Dual Conical 15 ml Bucket
GLB-dc15-50

Bucket bore(Φ x L, mm)
 : 17 x 91.5
 Radius(mm) : 150.9
 Max.RPM : 4,800
 Max.RCF(g-force) : 3,888
 Max.height for tube fit(mm) : 120

Tube	
Tube capacity (ml)	15 ml conical
Bucket capacity (ea/4)	2/8

Swing-out Rotor,
GRS-SR-100-4

4 loadings
≤ 90°



Round 100 ml Bucket
with Cap

GLB-b100-100

Bucket bore (Φ x L, mm) : 47 x 99
Radius (mm) : 155.1
Max.RPM : 4,200
Max.RCF(g-force) : 3,059
Max.height for tube fit(mm)
: 120(w/ cap) / 130(w/o cap)

* GLB-b100-100 includes cap. * (b100) adaptors work fine with cap but (100) adaptors not.

Tube										
Tube capacity (ml)	1.5~2.0	2.6~7	4~10	9~15	15 ml conical	15 ml conical	50 ml	50 ml conical	85	100
Tube rack										
Cat. No.	GAM-m2.0-6 (b100)	GAM-7-5 (b100)	GAM-10-5 (b100)	GAM-15-3 (100)	GAM-c15-3 (100)	GAS-c15 (b100)	GAS-50 (b100)	GAS-c50 (b100)	GAS-85 (b100)	GAS-100 (b100)
Rack capacity (ea/4)	6/24	5/20	5/20	3/12	3/12	1/4	1/4	1/4	1/4	1/4
Hole dimension (Φ x L, mm)	11 x 39	13.5 x 60	16 x 60	17.5 x 105	17.2 x 106.5	17.2 x 106.5	29.5 x 95.9	30 x 100	38.5 x 106.4	44.2 x 106.4



Round 50 ml Bucket
with Cap

GLB-b50-100

Bucket bore(Φ x L, mm)
30.5 x 97
Radius(mm) : 150.9
Max.RPM : 4,200
Max.RCF(g-force) : 2,976
Max.height for tube fit(mm)
: 115(w/ cap) / 125(w/o cap)

Tube				
Tube capacity (ml)	15	15 ml conical	50 ml conical	50
Adaptor				None
Cat. No.	GAS-u15(50)		GAS-c50(50)	-
Adaptor bore (Φ x L, mm)	17.3 x 87		29.5 x 17.5	-



Dual Round 15 ml Bucket
with Cap

GLB-bd15-100

Bucket bore(Φ x L, mm) : 17 x 98
Radius(mm) : 150.9
Max.RPM : 4,200
Max.RCF(g-force) : 2,976
Max.height for tube fit(mm)
: 123(w/ cap) / 127(w/o cap)

Tube	
Tube capacity (ml)	15
Bucket capacity (ea/4)	2/8



Dual Conical 15 ml Bucket
with Cap

GLB-bdc15-100

Bucket bore(Φ x L, mm)
: 17 x 102.5
Radius(mm) : 155.1
Max.RPM : 4,200
Max.RCF(g-force) : 3,059
Max.height for tube fit(mm) : 120

Tube	
Tube capacity (ml)	15 ml conical
Bucket capacity (ea/4)	2/8



Vacutainer 10 ml Bucket

GLB-10-8-100

Bucket bore(Φ x L, mm) : 16 x 89
Radius(mm) : 155.1
Max.RPM : 4,200
Max.RCF(g-force) : 3,059
Max.height for tube fit(mm) : 120

Tube			
Tube capacity (ml)	3	5	10
Bucket capacity (ea/4)	8/32	8/32	8/32
Adaptor			None
Cat No.	GAS-3(10)	GAS-5(10)	-
Adaptor bore (Φ x L, mm)	13 x 57	13 x 82	-
Radius (mm)	121	146	155.1
Max. RPM	4,200		
Max. RCF (g-force)	2,386	2,879	3,059



Dual Conical 50 ml Bucket

GLB-dc50-100

Bucket bore(Φ x L, mm) : 30 x 89
Radius(mm) : 155.1
Max.RPM : 4,200
Max.RCF(g-force) : 3,059
Max. height for tube fit(mm) : 125

Tube	
Tube capacity (ml)	50ml conical
Bucket capacity (ea/4)	2/8

Swing-Out Rotor, GRS-SR-15-6

6 loadings
 $\angle 90^\circ$



Round 15ml Bucket GLB-15-15

Bucket bore(Φ x L, mm) : 17 x 93.8
 Radius(mm):158
 Max.RPM:4,400
 Max.RCF(g-force) : 3,420
 Max.height for tube fit(mm) : 125

Tube		
Tube capacity (ml)	10	15

Swing-Out Rotor, GRS-SR-mw-2

2 loadings
 $\angle 90^\circ$

Area dimension (mm) : 88.5 x 130.3
 Max. height for microplate fit (mm) : 35



Plate		
Plate capacity (ml)	MTP	DWP
Holder capacity (ea/2)	1/2	
Radius (mm)	111	
Max. RPM	4,000	
Max. RCF (g-force)	1,986	



Fixed Angle Rotor, GRF-SR-50-6

6 x 50 ml
 $\angle 25^\circ$
 Hole diameter (mm) : 29.5
 Max. height for tube fit (mm) : 120

Tube				
Tube capacity (ml)	10	15	15 ml conical	50
Adaptor				None
Cat. No.	GAS-15(50)		GAS-c15(50)	-
Adaptor bore ($\Phi \times L$, mm)	17 x 94		17 x 105	-
Radius (mm)	87.9	88.9	91	95
Max.RPM	6,000			
Max.RCF (g-force)	3,538	3,578	3,663	3,824



Fixed Angle Rotor, GRF-SR-c50-6

6 x 50 ml conical
 $\angle 25^\circ$
 Hole diameter (mm) : 29.5
 Max. height for tube fit (mm) : 125

Tube		
Tube capacity (ml)	15 ml conical	50 ml conical
Adaptor		None
Cat No.	GAS-c15(c50)	-
Adaptor bore ($\Phi \times L$, mm)	17 x 105	-
Radius (mm)	93.6	98.4
Max.RPM	6,000	
Max.RCF (g-force)	3,767	3,960



Aluminum 15 ml Sleeve GLB-15A-FA
 Sleeve bore (Φ x L, mm) : 18 x 90
 Radius(mm) : 138/155
 Max. RPM : 4,000
 Max.RCF(g-force) : 2,469/2,773

Angle Rotor, GRA-SR-15-24

24 x 15 ml
 ∠ 45°
 Hole diameter (mm) : 18
 Max. height for tube fit (mm) : 125
 (120 for conical tube)

Tube						
Tube capacity (ml)	3	4	5	10	15	15 ml conical
Adaptor				None	None	None
Cat. No.	GAS-3(15)	GAS-4(15)	GAS-5(15)	-	-	-
Adaptor bore (Φ x L, mm)	13.5 x 61	13.5 x 65	13.5 x 85	-	-	-
Radius (mm)	116.3/132.3	117.7/133.7	136.8/152.8	137.5/154.5	138/155	133/149
Max.RPM	4,000					
Max.RCF (g-force)	2,080/2,367	2,105/2,463	2,447/2,733	2,460/2,764	2,469/2,773	2,379/2,665



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

24 x 1.5/2.0 ml
 ∠ 45°
 Hole diameter (mm) : 11.1
 Max. height for tube fit (mm) : 52

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)	67	73	84.3
Max.RPM	6,000		
Max.RCF (g-force)	2,697	2,938	3,393