

## Diamed Proudly Introduces GYROZEN® Centrifuges

# GYROZEN

Designed to perfectly meet your needs.

**Clinical Low Speed Centrifuge**

**Model: 416**

Max. 4,000 RPM



**Autoclavable  
Hermetically Sealed  
Buckets Available**



**Special Package  
Pricing Available**

**Autoclavable Rotors**

		Model: GYR0416
Max. RPM/RCF	Fixed Angle	4,000 / 2,700 xg
	Swing-Out	4,000 / 2,826 xg
Max. Capacity	Fixed Angle	16 x 15ml
	Swing-Out	4 x 100 ml, 32 vacutainers, 4 Plates
Time Control		Timed < 100 min or continuous
RPM / RCF Conversion		Yes
ACC/DEC (sec)		≤ 20 / ≤ 25

SOFT start / /stop	Yes
Imbalance Cutoff	Yes
Safety Lid Lock	Yes
Power Supply	110 Volt
Dimensions (W x D x H, mm)	375 x 480 x 260

- The 416, compact bench top centrifuge has a maximum capacity of 400 ml
- Commonly used in the fractionation of blood samples and simple precipitation of biological samples
- A separate button for "Soft" start/stop function, ensures gentle acceleration and deceleration
- Furnished with unique air flow design and anti-vibration structure to minimize heat and noise generation
- Lid drop protection design allows easy access and safety when loading or unloading samples
- Automatic lid release and alarm
- A large assortment of rotors, buckets and adaptors for microtubes and all sizes of tubes up to 100 ml

**GYROZEN** Designed to perfectly meet your needs.

# GYROZEN

**Refrigerated, High-Speed Micro Centrifuge**

**Model: 1730R**

Max. 17,000 RPM



## Autoclavable Rotors

*Special Package  
Pricing Available*

	Model: GYR1730R
Max, RPM/RCF	17,000 / 27,237 xg
Max. Capacity	30 x 1.5/2.0 ml, 8 x 8-tube PCR strips
Time Control	Pulse, Timed < 100 min or continuous
RPM/RCF conversion	Yes
Temperature Range	-20°C to +40°C
FAST cool button	Yes
Time control	Pulse, timed < 100 min or continuous
Time counting modes	Selectable, at set speed or from start
RPM/RCF conversion	RPM/RCF conversion Yes
Noise level (dB)	Noise level (dB) ≤ 56
ACC/DEC (step or time)	ACC/DEC (step or time) 9/10 steps (17/17 sec)
Program memory	Program memory 100
Parameters on display window	RP M (RCF), Oper Status, Lid Open/ Closed, Min:Sec, Temperature, ACC, DEC

Imbalance Cutoff	Yes
Safety Lid Lock	Yes
Power Supply	110 Volt
Dimensions (W x D x H, mm)	310 x 620 x 265

- 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
- 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 the set speed is reached
- A separate "PULSE" key for quick spin
- Parameters can be changed during operation.
- Key lock function helps keep the set parameters secured during operation.



# GYROZEN

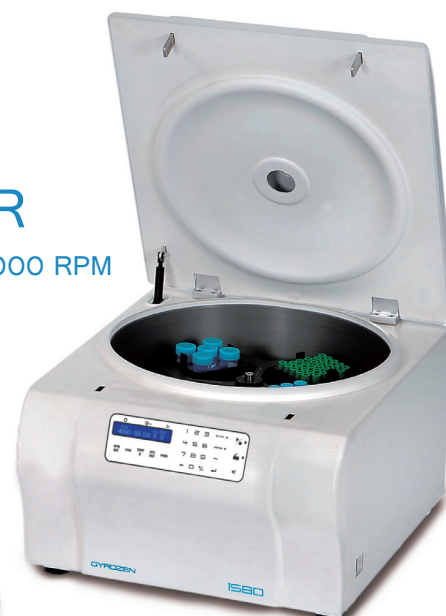
Multi-Purpose High-Speed Centrifuges

Model: 1580/1580R

Max. 15,000 RPM



Refrigerated



Special Package  
Pricing Available

**Autoclavable Rotors**

**Autoclavable  
Hermetically Sealed  
Buckets Available**



	Model: GYR1580	Model: GYR1580R
Max. RPM/RCF Fixed Angle	15,000 rpm / 24,249 x g	15,000 rpm / 25,910 x g
Max. RPM/RCF Swing-Out	5,000 rpm / 5,394 x g	5,000 rpm / 5,394 x g
Max. capacity / Fixed angle	6 x 85ml, 30 x 1.5/2.0 ml	6 x (250 & 15) ml, 30 x 1.5/2.0 ml
Max. capacity / Swing-out	4 x 750 ml, 80 x 15 ml, 16 Plates	
Temperature Range	-	-20~+40
FAST COOL button	-	Yes
Time control	Pulse, Timed < 100 min or continuous	Pulse, Timed < 10 hr continuous
Time counting range	Selectable, at set speed or from start	
Parameters on display window	RPM(RCF), Oper Status, Lid Open/Close, Min:Sec, ACC, DEC	RPM(RCF), Oper Status, Lid Open/Close, Hr:Min, Temp, (ACC), (DEC)
Dimensions (W x D x H, mm)	540 x 650 x 380 mm	770 x 650 x 390 mm

RPM/RCF conversion	Yes
Noise level (rotor dependent)	≤ 60 dB
Acc/Dec ramps	9 / 10
Program memory	100
Rotor Identification	Automatic
Motorized Lid	Yes
Imbalance Cutoff	Yes
Safety Lid Lock	Yes
Power Supply	110 Volt

- Fast cooling function to 4°C in 5 minutes for fast startup
- 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
- Selectable time mode of "at set SPEED" for counting running time only when the set speed is reached
- A separate "PULSE" key for quick spin
- Key lock function helps the set parameters secured during operation.
- With motorized lid, only a gentle touch is sufficient to close and open the lid.
- Lid drop protection design ensures easy access and safety when loading or unloading samples
- A large assortment of rotors, buckets and adaptors support diverse applications with one instrument



# GYROZEN

High Speed Micro Centrifuge

Model: 1524

**Autoclavable Rotors**

Max. 15,000 RPM



Special Package  
Pricing Available

Model: GYR1524	
Max. RPM/RCF	15,000 / 21,206 xg
Max. Capacity	24 x 1.5/2.0 ml, 4 PCR strips
Time Control	Pulse, Timed < 100 min or continuous
RPM/RCF conversion	Yes
Program Memory	100

Imbalance Cutoff	Yes
Safety Lid Lock	Yes
Power Supply	110 Volt
Dimensions (W x D x H, mm)	249 x 368 x 240

- Compact design built to accommodate PCR tubes, microtubes and cryotubes (0.2 to 2.0 ml)
- A separate "PULSE" key for quick spin
- Selectable time mode of "at set SPEED" for counting running time only when the set speed is reached
- Parameters can be changed during operation.
- Key lock function helps keep the set parameters secured during operation.
- Autoclavable and corrosion-free rotors ensure safety and long life.



PCR Rotor, GRF-s0.2-32



Fixed Angle Rotor, GRF-m2.0-24

## Product Selection Guide

Centrifuges		Micro Centrifuges		Multi-Purpose, High-Speed		Clinical, Low-Speed Centrifuges
		1524	1730R	1580	1580R	416
Refrigeration			✓		✓	
Max. Force						
Fixed Angle Rotor	Max. 2,700 xg					●
	Max. 21,200 xg	●		●		
	Max. 25,900 xg			●		
	Max. 27,200 xg		●			
Swing-Out Rotor	Max. 2,800 xg			●		●
	Max. 5,300 xg			●	●	
Sample Container / Max. Force						
Micro Tube	PCR strip	●	●	●	●	
	0.2/0.5 ml	●	●	●	●	
	1.5/2.0 ml	●	●	●	●	●
	Micro filter tube	●	●	●	●	
Tube	3/4/5 ml			●	●	●
	7 ml			●	●	●
	10/15 ml			●	●	●
	15 ml conical			●	●	●
	50 ml			●	●	●
	50 ml conical			●	●	●
	85 ml			●	●	●
	100 ml			●	●	●
	250 ml			●	●	
	250 ml conical			●	●	
	500 ml			●	●	
	500 ml conical			●	●	
Plate	750 ml			●	●	
	PCR plate			●	●	●
	Micro assay plate			●	●	●
	Tissue culture plate			●	●	●
	Deep well plate			●	●	●
Fixed Angle Rotor		●				
Swing Out Rotor			●			
Both Fixed & Swing Rotors				●		

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### Customer Service

**TOLL FREE** 1.800.434.2633 x39  
**LOCAL** 905.625.6021 x39  
**WEBSITE** www.diamed.ca

**FAX** 1.800.293.2987  
**FAX** 905.625.6280  
**EMAIL** diamed@diamed.ca