GZ-416

Low Speed Centrifuge

IVDR Certified Low Speed Centrifuge for Clinical Use











Bio





Features

- Compact, low speed centrifuges with 32 x blood tube capacity for fractionation of blood samples.
- 12 x 15 mL and 8 x 50 mL capacity for simple precipitation of biological samples and cell culture.
- Bio-Safe buckets ensure safe centrifugation of hazardous samples.
- A separate button for “Soft” start/stop function to achieve very gentle acceleration and deceleration.
- Furnished with unique air flow design and anti-vibration structure to minimize heat and noise.
- CE IVDR version.

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Technical Specifications

Max. RPM/PCF for Fixed Angle	4,000 rpm / 2,700 xg
Max. RPM/PCF for Swing-out	4,000 rpm / 2,826 xg
Max. Capacity for Fixed Angle	16 x 15 mL, 10 x 50 mL
Max. Capacity for Swing-out	4 x 100 mL, 4 x 8 Vacuum tube, 2 x 2 MTPs
Time control	Timed <100 min or continuous
Acc. time to Max. Speed	≤20 sec
Dec. time from Max. Speed	≤25 sec
Noise level (dependent on rotor)	≤52 dB
RCF/RPM conversion	Yes
Program Memory	10
Power Supply	AC 230V, 50Hz (AC 220-230V, 60/50Hz; 110V optional)
Power Requirement	340 VA
Dimension (W x D x H)	375 x 480 x 260 mm
Net Weight	19.5 kg
CE MARK	Yes
Cat. No.	GZ-416(IVD)





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Angle Rotor

GRA-S-50-10



- Capacity : 10 x 50 mL or 50 mL Conical
- Max. RPM / RCF
  4,000 / 2,549 xg

Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
50 conical	2,549	GAS-c50(f50)
30	2,415	GAS-30(f50)
25 conical	2,057	GAS-c25(f50)
15 conical	2,538	GAS-u15(f50)
14	2,538	GAS-u14(f50)

Angle Rotor

GRA-S-c50-10



- Capacity : 10 x 50 mL or 50 mL Conical
- Max. RPM / RCF
  4,000 / 2,508 xg

Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
50	2,435	GAS-50(c50)
30	2,424	GAS-30(c50)
25 conical	2,057	GAS-c25(c50)
15 conical	2,497	GAS-c15(c50)

Angle Rotor

GRA-S-15-16



- Capacity : 16 x Vacuum tube or 15ml
- Max. RPM / RCF
  4,000 / 2,700 xg

Adaptors

Tube type (mL)	Max. RCF (xg)	Adaptor Cat. No.
14	2,494	GAS-14(f15)
5 conical	2,120	GAS-c5(f15)
Φ13 x 100 mm VT	2,612	GAS-5(f15)
Φ13 x 75 mm VT	2,397	GAS-3(f15)

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Swing-out Rotor

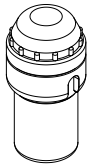
GRS-S-100-4

- Capacity : 4 x Buckets
- Max. RPM / RCF
  4,000 / 2,774 xg



100 mL Bio-safe Bucket with a Cap

GLBB-b100-100



- Max. RPM / RCF
  4,000 / 2,774 xg
- Hole bottom type : Flat

Bio-Safe Porton Down Certified

Adaptors

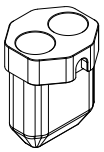
* Cannot use cap sealing

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)	Adaptor Cat. No.
100 *	4	2.685	GAS-100(b100)
85	4	2.739	GAS-85(b100)
50 conical(Skirt)	4	2.721	GAS-sc50(b100)
50 conical	4	2.721	GAS-c50(b100)
25 conical	4	2.739	GAS-c50(b100)
50	4	2.739	GAS-50(b100)
30	4	2.739	GAS-30(b100)

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)	Adaptor Cat. No.
15 conical *	12	2.774	GAM-c15-3(100)
5 conical *	12	1.969	GAM-c15-3(100)
15 conical	4	2.774	GAS-c15(b100)
15 *	12	2.721	GAM-15-3(100)
Ø16 x 100 mm VT	20	2.685	GAM-10-5(b100)
Ø13 x 75~100 mm VT	20	2.685	GAM-7-5(b100)
1.5 / 2.0	24	2.685	GAM-m2.0-6(b100)

Dual 50 mL Conical Bucket

GLB-dc50-100



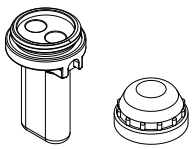
- Max. RPM / RCF
  4,000 / 2,774 xg
- Hole bottom type : Conical

Adaptors

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)	Adaptor Cat. No.
50	8	2,588	GAS-50(c50)
30	8	2,592	GAS-30(c50)
25 conical	8	2,102	GAS-c25(c50)
15 conical	8	2,774	GAS-c15(c50)

Dual 15 mL Conical Bio-safe Bucket with a Cap

GLBB-bdc15-100



- Max. RPM / RCF
  4,000 / 2,774 xg
- Hole bottom type : Conical

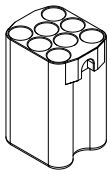
Bio-Safe Porton Down Certified

Adaptors

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)	Adaptor Cat. No.
14	8	2,352	GAS-14(c15)
5 conical	8	1,746	GAS-c5(c15)

8 x Vacuum tube Bucket

GLB-15-8-100



- Max. RPM / RCF
  4,000 / 2,719 xg
- Hole bottom type : Flat

Adaptors

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)	Adaptor Cat. No.
14	32	2,513	GAS-14(f15)
5 conical	32	2,003	GAS-c5(f15)
Ø13 x 100 mm VT	32	2,719	GAS-5(f15)
Ø13 x 75 mm VT	32	2,236	GAS-3(f15)

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Swing-out Rotor

GRS-S-50-4

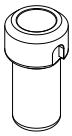
- Capacity : 4 x Buckets
- Max. RPM / RCF
  4,000 / 2,700 xg



50 mL Bucket

GLB-50-50

- Max. RPM / RCF
  4,000 / 2,700 xg
- Hole bottom type : Flat



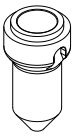
Adaptors

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)	Adaptor Cat. No.
50 conical	4	2,700	GAS-c50(f50)
30	4	2,583	GAS-30(f50)
25 conical	4	2,107	GAS-c25(f50)
15 conical	4	2,700	GAS-u15(f50)
14	4	2,700	GAS-u14(f50)

50 mL Conical Bucket

GLB-c50-50

- Max. RPM / RCF
  4,000 / 2,700 xg
- Hole bottom type : Conical



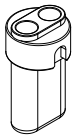
Adaptors

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)		Adaptor Cat. No.
		T04B	T05R	
50	4	2,513	3,927	GAS-50(c50)
30	4	2,517	3,933	GAS-30(c50)
25 conical	4	2,027	3,167	GAS-c25(c50)
15 conical	4	2,700	4,218	GAS-c15(c50)

Dual 15 mL Bucket

GLB-d15-50

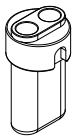
- Max. RPM / RCF
  4,000 / 2,700 xg
- Hole bottom type : Round



Dual 15 mL Conical Bucket

GLB-dc15-50

- Max. RPM / RCF
  4,000 / 2,700 xg
  Hole bottom type : Conical



Adaptors

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)	Adaptor Cat. No.
14	8	2,277	GAS-14(c15)
5 conical	8	1,671	GAS-c5(c15)

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Swing-out Rotor

GRS-S-15-6

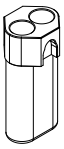
- Capacity : 6 x Buckets
- Max. RPM / RCF
  4,000 / 2,737 xg



Dual 15 mL Bucket

GLB-d15-15

- Max. RPM / RCF
  4,000 / 2,737 xg
- Hole bottom type : Flat



Adaptors

Tube type (mL)	Max. tube capacity per rotor	Max. RCF (xg)	Adaptor Cat. No.
Ø13 x 100 mm VT	12	2,737	GAS-5(f15)
Ø13 x 75 mm VT	12	2,164	GAS-3(f15)

Swing-out Rotor

GRS-S-mw-2

- Capacity : 2 x Microplates
- Max. RPM / RCF : 4,000 / 2,000 xg



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