

GCC-MP / Multi-Purpose Clinical Centrifuge

Quick Start Guide

What's in the box:

- Centrifuge
- Power Cable(s)
- Rotor Wrench
- Spare Fuses (2 each)
- Door Key (small screwdriver)
- Quick Start Guide



UNPACKING THE UNIT

Please be sure to remove any packing materials used during initial shipment:



1) Open the lid: Use the included Door Key to press the buttons on the right and left sides of the unit.

2) Remove foam pads at the hinge latches.

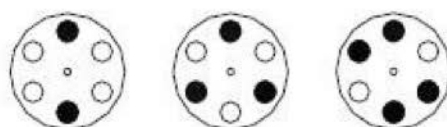
INSTALLING AND BALANCING THE ROTOR

IMPORTANT: The rotor should always be loaded in a balanced manner to avoid personal injury and to ensure centrifuge longevity.

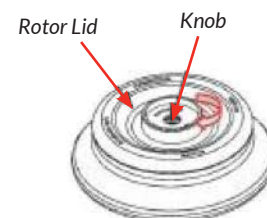
- When any tube is loaded, a tube of the same type, volume and weight must be added in the opposite rotor location.
- Never intentionally run the centrifuge in an unbalanced condition even if operation is not affected.



Load the Rotor Onto the Shaft



Symmetrically Load Centrifuge Tubes Into Rotor



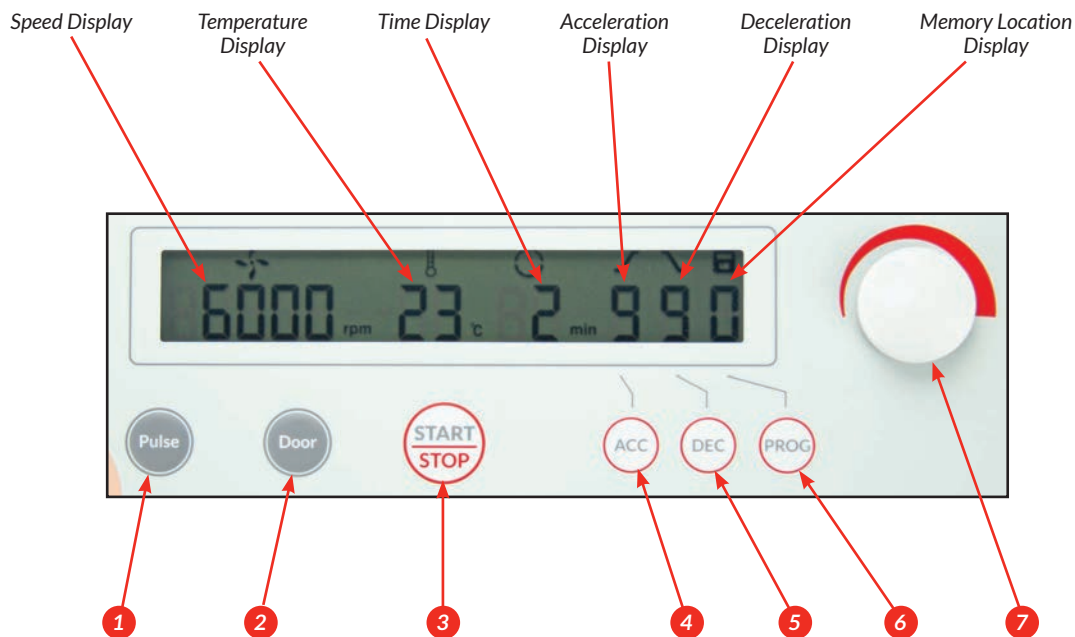
Install the Rotor Lid

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CONTROL PANEL



OPERATION

IMPORTANT: Plug unit into appropriate main supply based on the rated voltage.

- 1 Pulse** Press to accelerate and hold at the set speed. The centrifuge stops immediately once this button is released.
- 2 Door**..... Press to open the lid. This button is not enabled while the centrifuge is running.
- 3 Start / Stop** Press to start the centrifuge. Press to stop if centrifuge is already running.
- 4 Acceleration**..... Press to adjust the acceleration rate.
1: Slowest acceleration rate.
9: Fastest acceleration rate.
- 5 Deceleration** Press to adjust the deceleration rate.
0: No braking applied.
9: Most braking applied.
- 6 Memory** Momentarily press to cycle through the memory locations. Once the parameters are adjusted to the desired values, press and hold for 5 seconds to save the values in that memory location.
- 7 Adjustment Knob** Rotate clockwise to increase parameter values. Rotate counterclockwise to decrease parameter values. Press to switch between speed and RCF.

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Rotor Type	Tube Type	Adapter Required	Maximum Speed (rpm)	Maximum Centrifugal Radius (cm)	Maximum RCF (×g)				
GCC-MP-2ML30	2.0/1.5mL x 30	–	6000	10	4020				
	0.2mL x 30	GCM-24-AD2	6000	8.5	3415				
	0.5mL x 30	GCM-24-AD5	6000	9	3618				
GCC-MP-2ML60	2.0/1.5mL x 60	–	6000	10	4020				
	0.2mL x 60	GCM-24-AD2	6000	8.5	3415				
	0.5mL x 60	GCM-24-AD5	6000	9	3618				
GCC-MP-PCR	8-PCR x 12	–	6000	10	4020				
	0.2mL x 96	–	6000	10	4020				
GCC-MP-50ML6	50mL x 6	–	6000	10.7	4306				
GCC-MP-15ML	15mL x 30	–	4500	R1 = 14.2	3210				
				R2 = 12.2	2760				
GCC-MP-50ML8	15mL x 16	–	5000	12.4	3460				
	50mL x 8	–	5000	12.4	3460				
GCC-MP-SWING	100mL x 4	GCC-MP-SWING-100ML4	4000	15.9	2840				
	50mL x 4	GCC-MP-SWING-50ML8	4000	15.9	2840				
	10mL x 16 12mL x 16 15mL x 16	GCC-MP-SWING-15ML16	4000	15.1	2700				
	3mL x 36 7mL x 36					GCC-MP-SWING-7ML36	4000	14.7	2630
GCC-MP-SWING-PLATE	MTP (128x85.6x15)	–	4000	12.1	2160				
	Cell Culture (128x85.6x21)	–	4000	12.1	2160				
	DWP (128x85.6x45)	–	4000	12.1	2160				
	Kits (128x85.6x60)	–	4000	12.1	2160				

The centrifuge rotor can separate samples whose density is lower than 2.0g/ml. If the separated sample's density is over 2.0g/ml, please calculate the allowable speed using the following formula:

$$\text{Allowable Speed (rpm)} = \text{Maximum Speed} \times (2.0(\text{g/ml}) / \text{Sample Density (g/ml)})^{1/2}$$

For the full User Manual, please visit www.globescientific.com



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