



Medibas+ low speed refrigerated centrifuge

Code GNF001

Medibas+ multi-purpose low-speed refrigerated centrifuge with high capacity up to 400 mL, which can use both angular and swing out rotors, combines functions of high power, high versatility and easy operation.

It adopts innovative control technology, reliable quality and superior performance and is widely used in clinical biochemistry, haematology, immunology, clinical research, molecular biology research and routine analysis in industrial laboratories. Particularly suitable for research in genetics, nucleic acids, proteins and PCR products and in applications where effective temperature control is required.

- Electrically controlled double automatic priming closure.
- Corrosion resistant Teflon coating on the inside.
- Integrated gas-phase adhesive sealing ring.
- High brightness black background 5 inch LCD screen.
- Automatic rotor detection.
- Flash Centrifugation.
- Pre-cooling function.

- Multi-purpose refrigerated centrifuge commonly used in microbiological laboratories, pharmaceuticals, universities, research centres and industry.
- Steel housing and base. Stainless steel inner tank and steel safety chamber between the tank and the cabinet.
- It has a compressor with R134a gas environmentally friendly **SECOP®**, for optimum cooling of the chamber, with a start/stop function that switches off if it detects the lid is open and switches on when it is closed. Ability to maintain the sample at 4°C at maximum speed and load.
- Metal base cover with suspension mechanism and peephole.
- Autoclavable swing out rotor included, to which various autoclavable tube holders (not included) can be attached for use with different types of tubes.
- Digital microprocessor control, 5-inch backlit LCD display, single control selector and push-button panel.
- Electromechanical lock that prevents the lid from opening during centrifugation.
- Manual opening of the cover in case of power failure.
- Safety system that automatically stops the equipment if the maximum speed is exceeded.
- Speed programming in RPM or FCR. Maintenance-free induction motor.
The motor is controlled by an advanced and reliable sine wave vector FOC system that can precisely control speed, time and relative centrifugal force (RCF).
- The external USB2.0 interface makes it easy to update the system and download experimental data.



Technical specifications

Code	GNF001
Model	2741R
Speed	100~6000 rpm (10 rpm increment)
FCR	5150 ×g (10 ×g increment)
Timer	1-99 hours/1-59 minutes/1-59 seconds. Three modes available. Accuracy ± 1 second
Temperature range	-20°C~+40°C
Min. temp. at max. speed	0 °C
Max. Capacity	400 mL
Weight	65Kg
Dimensions	634 × 548 × 335 mm
Feeding	AC220 V/50-60 Hz
Consumption	550 W
Memory	10 customised programmes (5 external buttons for quick access)
Acceleration ramps	1-9
Braking ramps	0-9



Swing out rotors



Swing out rotor |
GNM001
5000 rpm / 3040 ×g



Tube holder | **GNP003**
100 mL×4
5000 rpm / 4108 ×g



Tube holder | **GNP004**
50 mL×4
5000 rpm / 4135 ×g



Tube holder | **GNP005**
50 mL×8
4000 rpm / 2720×g



Tube holder | **GLK002**
10/15 mL×16
4000 rpm/2790 ×g



Tube holder | **GLK005**
5 mL×24
4000 rpm / 2540 ×g

Other rotors



Angle rotor | **GNM002**
15 mL×12
6000 rpm / 5150 ×g



Angle rotor | **GNM003**
50 mL×8
5000 rpm / 3435 ×g



Microplate rotor | **GNP016**
4 Microplates×2×96
2 Deep-well plates×2×96
4000 rpm/2860 ×g

Adapters and bottom pads



Bottom pad | **GLK009**
3 mL



Adapter | **GLK010**
5 mL



Adapter | **GLK011**
8 mL



Bottom pad | **GLK012**
15 mL



Bottom pad | **GLK013**
50 mL



Compatibility of accessories

Code	Description	Tubes required	Used in	Including
GNF001				
GNM001	Swing out rotor		Centrifuge	Yes
GNP003	4x100 mL tube holder set	PP round bottom with lid	GNM001	No
GNP004	4x50 mL tube holder set	PP round / conical bottom with lid	GNM001	No
GNP005	Tube holder set 8x50 mL	PP round / conical bottom with lid	GNM001	No
GLK002	Tube holder set 16x15 mL	PP round / conical bottom with lid	GNM001	No
GLK005	Tube holder for 24 x 5 mL tubes	Vacutainer tube 13 × 100 mm	GNM001	No
GNP016	Rotor 8 microplates	4 Microplates×2×96/2 Deep Well Plates×2×96	Centrifuge	No
GNM002	Angle rotor for 12 x 15 mL tubes	PP round / conical bottom with lid	Centrifuge	No
GNM003	Angle rotor for 8 x 50 mL tubes	PP round / conical bottom with lid	Centrifuge	No
GLK009	Bottom pad for 3 mL tubes	Vacutainer tube 13 × 75 mm	GLK005	Yes*
GLK010	Adapter for 5 mL tubes	Vacutainer tube 13 × 100 mm	GLK002	No
			GNM002	
GLK011	Adapter for 8 mL tubes	Vacutainer tube 16 × 100 mm	GLK002	No
			GNM002	
GLK012	Bottom pad for 15 mL tubes	PP conical bottom with lid	GLK002	No
			GNM002	
GLK013	Bottom pad for 50 mL tubes	PP conical bottom with lid	GNP004	No
			GNP005	

*Included with the rotor, not with the equipment.

RECOMMENDED TUBES

Falcon tubes 15mL	BGD010, BGD082, BGD083, BGD084, BGD024, BGD025, BGD039, BGD029, BGD030, BGD031, BGD032, BGD033
Falcon tubes 50mL	BGD011, BGD085, BGD086, BGD087, BGD072, BGD026, BGD040, BGD034
100mL tubes	GLK001