



## High-speed centrifuge

### Code GLC003

The high-speed, high-capacity centrifuge combines versatility and easy handling, especially dedicated to microtubes and PCR strips, it also allows centrifuging tubes up to 100 mL. Maximum versatility of use for a wider range of applications.

It adopts innovative control technology, reliable quality and superior performance and is widely used in clinical medical biochemistry, haematology, immunology, clinical research, molecular biology research and routine analysis in industrial laboratories. It is most suitable in genetic, protein and clinical experimental research, and various applications with different volumes that do not need refrigeration.

- Electrically controlled double airlocks.
- Integrated sealing gasket.
- 5-inch IPS LCD screen.
- Teflon-coated centrifuge chamber.
- Air-cooled technology.
- Stable housing structure.
- Flash Centrifugation.
- Forced ventilation cooling and excellent air heat exchange technology can significantly and effectively reduce the temperature rise of the rotor and ensure that the sample is not damaged.



- High-speed centrifuge commonly used in microbiological laboratories, pharmaceuticals, universities, research centres and industry.
- Compatible with angle rotors of different capacities and number of tubes.
- Steel housing and base. Stainless steel inner tank and steel safety chamber between the tank and the cabinet.
- Metal base cover with suspension mechanism and peephole.
- Digital microprocessor control, backlit LCD display and single control selector.
- Electromechanical lock that prevents the lid from opening during centrifugation. Manual opening of the lid 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).
- Automatic rotor detection.
- The external USB2.0 interface makes it easy to update the system and download experimental data.

## Technical specifications

Code	GLC003
Model	2811
Speed	200~18000 rpm (10 rpm increment)
FCR	24100 ×g (increment of 10×g)
Timer	1-99 hours/1-59 minutes/1-59 seconds. Three modes available. Accuracy ± 1 second
Max. Capacity.	400 mL
Weight	35 Kg
Dimensions	500 × 390 × 330 mm
Feeding	AC220 V / 50-60 Hz
Consumption	500 W
Memory	10 customised programmes (5 external buttons for quick access)
Acceleration ramps	1-9
Braking ramps	0-9



## Angle rotors



Angle rotor | GLK016  
1.5/2 mL×24  
16000 rpm/24100 ×g



Angle rotor | GLK020  
0.5 mL×36  
15000 rpm/16350 ×g



Angle rotor | GLK022  
5 mL×12  
16000 rpm/18890 ×g



Angle rotor | GLK019  
0.2 mL×8×4  
14800 rpm/16200 ×g



Angle rotor | GLK024  
15 mL×8  
13000 rpm/17570 ×g



Angle rotor | GLK025  
50 mL×6  
12000 rpm/14750 ×g



Angle rotor | GLK026  
100 mL×4  
12000 rpm/15940 ×g



Angle rotor | GLK023  
10/15 mL×12  
13000 rpm/15315 ×g



Angle rotor | GLK021  
1.5/2 mL×12  
18000 rpm/22530 ×g



Angle rotor | GLK042  
1.5/2 mL×36  
14000 rpm/17970 ×g

## Accessories included



Adapter | GDF001  
0,2 mL tubes



Adapter | GDF002  
0,5 mL tubes



Adapter | GDF014  
15 mL



Bottom pad | GDF015  
50 mL

## Compatibility of accessories

Code	Description	Tubes required	Used in	Including
<b>GLC003</b>				
GLK016	Angle rotor for 24 x 1.5/2 mL tubes	PP round/conical bottom with lid	Centrifuge	No
GLK020	Angle rotor for 36 x 0.5 mL microtubes	PP conical bottom with lid	Centrifuge	No
GLK022	Angle rotor for 12 x 5 mL tubes	PP round bottom with lid	Centrifuge	No
GLK019	Angle rotor for 4 x 0.2 mL PCR strips	PP conical-bottom PCR tube with cap	Centrifuge	No
GLK024	Angle rotor for 8 x 15 mL tubes	PP conical bottom with lid	Centrifuge	No
GLK025	Angle rotor for 6 x 50 mL tubes	PP conical bottom with lid	Centrifuge	No
GLK026	Angle rotor for 4 x 100 mL tubes	PP round bottom with lid	Centrifuge	No
GLK023	Angle rotor for 12 x 10 mL tubes	PP round bottom with lid	Centrifuge	No
GLK021	Angle rotor for 12 x 1.5/2 mL micro tubes	PP round/conical bottom with lid	Centrifuge	No
GDF001	Microtube adapter 0.2 mL, series 2507	PP conical bottom with lid	GLK016/GLK021/GLK042	Yes*
GDF002	Microtube adapter 0.5 mL, series 2507	PP conical bottom with lid	GLK016/GLK021/GLK042	Yes*
GDF014	Adapter for 15 mL tubes	PP conical bottom with lid	GLK025	No
GDF015	Bottom pad for 50 mL tubes with round base	PP round bottom with lid	GLK025	No
GLK042	Angle rotor for 36 x 1.5/2 mL microtubes	PP round/conical bottom with lid	Centrifuge	No

\*Included with the rotor, not with the equipment.

## RECOMMENDED TUBES

0.2 mL microtubes	BGN003, BGN026
0.5 mL microtubes	BGN004
2 mL microtubes	BGN025
1.5 mL microtubes	BGN005, BGN011, BGN012, BGN013, BGN014, BGN015, BGN027
5 mL microtubes	BGN029
8×0.2 mL microtube strip	BGN006
Falcon tubes 15 mL	BGD010, BGD082, BGD083, BGD084, BGD024, BGD025, BGD039, BGD029, BGD030, BGD031, BGD032, BGD033
Falcon tubes 50 mL	BGD011, BGD085, BGD086, BGD087, BGD072, BGD026, BGD040, BGD034