High-speed centrifuge

Code GLC005

Benchtop high-speed centrifuge with angled rotors for microtubes (up to 5 mL).

High-speed benchtop microcentrifuge with robust and widely used functionality that is easy to use. It uses the latest control technology, ensuring high performance and reliability. It is widely used in medical laboratories, industrial laboratories, biochemical and molecular biology research.

Specific applications for this high-speed centrifuge include micro-scale separation of biological cells and particles, biomolecules, clinical samples and research where a refrigerated centrifuge is not required. It has a specific rotor to determine micro haematocrit.

- Teflon-coated inner chamber.
- Compact size.
- Stable housing structure.
- Flash Centrifugation.

- Brushless, maintenance-free, variable frequency induction motor with a speed range of 100-15000rpm and an accuracy of ± 20rpm.
- The high-strength materials of the centrifuge and the centrifuge rotor can resist various chemical corrosions.
- A single large digital LCD display with clear and crisp operating parameters. A separate speed/RCf parameter setting button and mutual conversion facilitate quick adjustment and real-time display of the relative centrifugal force during operation.
- The one-button rotary control allows for quick parameter changes.
  When the operation is completed, errors or unbalances occur, an acoustic signal is emitted and the operation is stopped at the same time. The display shows an error code.
- A layer of insulation is installed outside the centrifuge chamber to fully absorb noise, reduce vibration and provide a sense of tranquillity for the experimental staff.
- Automatic recognition and detection of rotating rotor imbalance to ensure centrifugation safety.
- Teflon-coated stainless steel chamber, robust construction, suitable for continuous use.
- 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).
- Forced ventilation cooling and excellent air heat exchange technology significantly reduce the temperature rise of the rotor.

Technical specifications

Code	GLC005
Model	2624/2
Speed	100~15000 rpm (10 rpm increment)
FCR	21180 ×g (Increase of 10 ×g)
Timer	1-99 minutes/1-59 seconds. Two modes available. Accuracy ± 1 second
Max. Capacity	50 mL
Weight	17 Kg
Dimensions	280×360×250 mm
Feeding	AC220 V / 50 Hz
Consumption	450 W
Memory	30 customised programmes
Acceleration ramps	1-9
Braking ramps	0-9

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Angle rotors

Angle rotor | GLK027
1.5/2 mL×24
15000 rpm/21180 ×g

Micro haematocrit rotor| GLK017
50 µl×24
12000 rpm/13600 ×g

Angle rotor | GLK018
5 mL×10
13500 rpm/12920 ×g

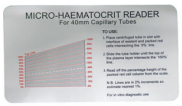
Angle rotor | GLK028
0.2 mL×8×4
14800 rpm/16200 ×g

Angle rotor | GLK029
0.5 mL×36
13500 rpm/13250 ×g

Accessories included

Adapter | GDF001
0,2 mL tubes

Adapter | GDF002
0,5 mL tubes



Microhematocrit capillaries reading card | GLL001
Used with the GLK017 microhematocrit rotor in the GLC005 and GLF002 centrifuges

Compatibility of accessories

Code	Description	Tubes required	Used in	Including
GLC005				
GLK027	Angle rotor for 24 x 1.5/2 mL tubes	PP round/conical bottom with lid	Centrifuge	No
GLK017	Angle rotor for 24 micro haematocrit capillaries	Capillary y ø 1.5 mm × L75 mm	Centrifuge	No
GLK018	Angle rotor for 10 x 5 mL tubes	PP round bottom with lid	Centrifuge	No
GLK028	Angle rotor for 4 x 0.2 mL PCR strips	PP conical-bottom PCR tube with cap	Centrifuge	No
GLK029	Angle rotor for 36 x 0.5 mL microtubes	PP conical bottom with lid	Centrifuge	No
GDF001	Microtube adapter 0.2 mL, series 2507	PP conical bottom with lid	GLK027	Yes*
GDF002	Microtube adapter 0.5 mL, series 2507	PP conical bottom with lid	GLK027	Yes*

*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
Tira de microtubos de 8×0,2 mL	BGN006