



## HiCap+ Low Speed Refrigerated Centrifuge

### Code GNF003, GNF005

The HiCap+ high capacity, low speed refrigerated centrifuge is ideal for any application where the sample has to be kept at low temperature and high capacity is required for both analytical and preparative purposes. Highly versatile thanks to the wide range of rotors available, whether swing out or angular, together with the possibility to use tubes from 5ml to 250 mL (or 500 mL capacity with GNF005). Powerful functions and robust design make it particularly suitable for heavy workloads. It is easy to operate and incorporates the latest control technology, proven quality and superior performance. It is widely used in clinical biochemistry, haematology, immunology and clinical practice and all applications where a significant amount of centrifugation is required. Particularly suitable for research, molecular biology and routine laboratory analysis in experimental research on genetics, proteins, nucleic acids and PCR products, where temperature control is important.

- Electrically controlled automatic double locking.
- Cover of the lid with three-layer sealed insulation.
- ECO compressor start/stop function.
- Efficient refrigeration compressor.
- Flash Centrifugation.
- PID digital temperature control.

- High-capacity, low-speed, multi-purpose centrifuge commonly used in microbiological laboratories, pharmaceuticals, universities, research centres and industry.
- Compatible with angular rotors and swing out rotors, so that the widest range of tubes can be used.
- It has a compressor with R134a gas environmentally friendly **SECOP®**, for optimum cooling of the chamber with 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.
- Automatic detection of the positioned rotor and automatic stop in case of sample imbalance.
- Equipped with experimental parameter recording function and real-time display of operation recording.
- Lid locking by electric suction at two points for greater safety.
- With USB port for system update and download of experimental data.
- 7-inch IPS LCD colour display with adjustable brightness and 1024x600dpi resolution
- 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).
- Ambient light that displays the device status from a distance.
- The external USB2.0 interface makes it easy to update the system and download experimental data.



## Technical specifications

Code	GNF003	GNF005
Model	2761R	2761R
Speed	200~6000 rpm (10 rpm increments)	200~6000 rpm (10 rpm increments)
FCR	5150×g (10×g increment)	5150×g (10×g increment)
Timer	1-99 hours/1-59 minutes/1-59 seconds. Three modes available. Accuracy ± 1 second	1-99 hours/1-59 minutes/1-59 seconds. Three modes available. Accuracy ± 1 second
Temperature range	20°C~+40°C	20°C~+40°C
Min. temp. at max. speed	0 °C	0 °C
Max. Capacity	1000 mL	2000 mL
Dimensions	700×620×380 mm	700×620×380 mm
Weight	95 Kg	95 Kg
Feeding	AC220 V / 50-60 Hz	AC220 V / 50-60 Hz
Consumption	850 W	850 W
Memory	30 customised programmes (5 external buttons for quick access)	30 customised programmes (5 external buttons for quick access)
Acceleration ramps	1-9	1-9
Braking ramps	0-9	0-9



Swing out rotor  
GNF003

INCLUDING



Swing out rotor |  
GNP019  
4000 rpm / 3040 ×g



Bio-safety cup with tight  
fitting lid | GNP020  
250 mL×4  
4000 rpm / 3040 ×g



Tube holder | GNP013  
50 mL×8+15 mL ×8  
4000 rpm / 3040 ×g



Tube holder | GNP021  
50 mL×8+5 mL×16  
4000 rpm / 3040 ×g



Tube holder | GNP022  
15 mL×28  
4000 rpm / 3040 ×g



Tube holder | GNP023  
100 mL×4  
4000 rpm / 3040 ×g



Tube holder | GNP024  
5 mL×40  
4000 rpm / 3040 ×g

Swing out rotor  
GNF005

INCLUDING



Swing out rotor |  
GNP025  
4000 rpm / 3095 ×g



Cup | GNP026  
500 mL×4  
4000 rpm / 3095 ×g



Tube holder | GNP027  
250 mL×4  
4000 rpm / 3095 ×g



Tube holder | GNP028  
50 mL×16  
4000 rpm / 3095 ×g



Tube holder | GNP029  
15 mL×36  
4000 rpm / 3095 ×g



Tube holder | GNP030  
100 mL×12  
4000 rpm / 3095 ×g



Tube holder | GNP031  
5 mL×84  
4000 rpm / 3095 ×g

Other rotors  
GNF003 and  
GNF005



Angle rotor | GNM008  
15 mL×12  
6000 rpm / 5150 ×g



Angle rotor | GNP034  
50 mL×8  
6000 rpm / 5150 ×g



Microplate rotor | GNP035  
4 Microplates×2×96  
2 Deep well plates ×2×96  
4000 rpm/2860 ×g



Swing out rotor | GNP032  
5 mL×64  
4000 rpm / 3050 ×g

Flat bottom  
PP bottles



PP bottle | GNQ001  
Flat Bottom 250 mL  
For references GNP020 and GNP027  
4000 rpm/3100 ×g

PP bottle | GNQ002  
Flat bottom 500 mL  
For reference GNP026  
4000 rpm/3100 ×g



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## Adapters and bottom pads



Adapter | GLK010  
5 mL



Adapter | GLK011  
8 mL



Adapter | GLK015  
15 mL



Bottom pad | GLQ003  
Vacutainer type 13×75 mm

## Compatibility of accessories

Code	Description	Tubes required	Used in	Including
<b>GNF003</b>				
GNP019	Swing out rotor	-	Centrifuge	Yes
GNP020	Bio-safety cup with lid 250 mLx4	PP flat bottom with lid	GNP019	No
GNP013	Tube holder 50 mLx8 + 15 mLx8	PP conical bottom with lid	GNP020	No
GNP021	Tube holder 50 mLx8 + 5 mLx16	PP conical bottom with lid	GNP020	No
GNP022	Tube holder for 28 x 15 mL tubes	PP conical bottom with lid	GNP020	No
GNP023	Tube holder for 4 x 100 mL tubes	PP round bottom with lid	GNP020	No
GNP024	Tube holder for 40 x 5 mL tubes	Vacutainer tube 13×100 mm	GNP020	No
<b>GNF005</b>				
GNP025	Swing out rotor	-	Centrifuge	Yes
GNP026	Cup 500mLx4	PP flat bottom with lid	GNP025	No
GNP027	Tube holder 250 mLx4	PP flat bottom with lid	GNP026	No
GNP028	Tube holder 50 mLx16	PP conical bottom with lid	GNP026	No
GNP029	Tube holder 15 mLx36	PP conical bottom with lid	GNP026	No
GNP030	Tube holder 100 mLx12	PP round bottom with lid	GNP026	No
GNP031	Tube holder 5 mLx84	Vacutainer tube 13×100 mm	GNP026	No
GNP032	Oscillating rotor for 64 x 5 mL tubes	Vacutainer tube 13×100 mm	Centrifuge	No
GNM008	Angle rotor for 12 x 15 mL tubes	PP round/conical bottom with lid	Centrifuge	No
GNP034	Angle rotor for 8 tuos of 50 mL	PP round/conical bottom with lid	Centrifuge	No
GNP035	Swing out rotor for microplates	4 Microplates×2×96/2 Deep Well Plates×2×96	Centrifuge	No
GLK010	Adapter for 5 mL tubes	Vacutainer tube 13×100 mm	GNM008	No
GLK011	Adapter for 8 mL tubes	Vacutainer tube 16×100 mm	GNM008	No
GLK015	Adapter for 15 mL tubes	PP conical bottom with lid	GNP034	No
GNQ003	Bottom pad for 13x75mm tubes	Vacutainer tube 13×75mm	GNP032	No

## RECOMMENDED TUBES

<b>Falcon tubes 15mL</b>	BGD010, BGD082, BGD083, BGD084, BGD024, BGD025, BGD039, BGD029, BGD030, BGD031, BGD032, BGD033
<b>Falcon tubes 50mL</b>	BGD011, BGD085, BGD086, BGD087, BGD072, BGD026, BGD040, BGD034
<b>Flat bottom PP bottle 250mL</b>	GNQ001
<b>Flat bottom PP bottle 500mL</b>	GNQ002