

# TGL20MW Bench-top Large Capacity High Speed Refrigerated Centrifuge

With a capacity up to 4 x 300 ml, it also has extraordinary versatility. It is mainly used in the fields of biochemistry, medical and health, food safety, life science, agriculture and forestry science, animal husbandry science, blood bank, biological products, pharmaceutical products and other fields.



## Main Features

- Micro-controller and high-torque brushless motor provide stable operation and low noise.
- Wide temperature control range: -20 ° C +40°C, can be set during the operation of the centrifuge; with pre-cooling function, it can quickly cool down to the set temperature degree; with standby cooling function.
- It has various early warning functions such as over-speed, over temperature, unbalance, under pressure and overpressure, three-stage damping and shock absorption, which makes the motor run safely and reliably, and achieve excellent centrifugal effect.
- TFT-LCD true color touch screen and physical button dual operation mode, can change parameters at any time during operation, the operation menu is available in multiple languages (Chinese, English, Russian, Portuguese).
- The bio-safety airtight angle rotor uses a silicone rubber integral seal (EU RoHS 2015/863) to avoid fully guarantee for the safety of the staff and laboratory environment.
- 304 stainless steel centrifugal chamber and whole-steel casing, one-piece stamped steel front face and three-layer steel protective cover to ensure the safety of workers and laboratories.
- Can store 100 sets of user-defined programs, can display the speed rise curve, centrifugal integral curve, temperature curve.
- Aviation forged aluminum rotor (angle rotor only) and a variety of adapters are available, suitable for 0.2mL to 250mL centrifuge tubes or reagent bottles; can centrifuge various MTP micro-plates, PCR plates, cell plates
- With CFDA & CFDA production qualification, ISO 9001, ISO 13485 and CE certification.

## Specification

<b>Model</b>	<b>TGL20MW</b>
Max Capacity	6×250mL
Max Speed	20600r/min
Max RCF	29280×g
Standard rotor	12×1.5/2.0mL
Speed Adjustment	±50rrpm steps (can be customized )
Cooling System	R404a
Temp control range	- 20°C ~ +40°C
Temp adjustment accuracy	±1°C
Operation program	20sets
Control and drive system	Large torque AC variable frequency motor, microcomputer control
Total Power	1.8kW
Timer Range	1min-99h59min, with continuous run function
Noise level	≤60dB ( A )
Rotor recognition	Automatic Recognition
Weight	110kg
Dimention ( L×W×H )	630×760×400mm
Package dimensions	

## Rotors Specification

	Figure	Parameter	Figure	Parameter
Fixed-Angle Rotor	 12×1.5mL/2.0mL	Max Speed : 20600r/min Max RCF : 29280×g Serial No : H002-003-038-301	 24×1.5mL/2.0mL	Max Speed : 14000r/min Max RCF : 18220×g Serial No : H002-003-003-301 Bio-isolated sealed rotor
	 12×10mL/5mL	Max Speed : 14000r/min Max RCF : 18810×g Serial No : H002-003-006-301 Bio-isolated sealed rotor	 8×15mL ( conical bottom )	Max Speed : 12000r/min Max RCF : 14830×g Serial No : H002-003-013-301 Bio-isolated sealed rotor
	 8×15mL ( Round bottom )	Max Speed : 12000r/min Max RCF : 14830×g Serial No : H002-003-037-301 Bio-isolated sealed rotor	 6×50mL ( conical bottom )	Max Speed : 12000r/min Max RCF : 15120×g Serial No : H002-003-009-301 Bio-isolated sealed rotor
	 6×50mL ( Round bottom )	Max Speed : 12000r/min Max RCF : 13820×g Serial No : H002-003-008-301 Bio-isolated sealed rotor	 8×50mL ( Round bottom )	Max Speed : 10000r/min Max RCF : 11400×g Serial No : H002-003-019-301 Bio-isolated sealed rotor

**Fixed-Angle Rotor**

**Figure**



8×50mL ( conical bottom )

**Parameter**

Max Speed : 10000r/min  
 Max RCF : 11400×g  
 Serial No : H002-003-094-301  
 Bio-isolated sealed rotor

**Figure**



4×100mL

**Parameter**

Max Speed : 10000r/min  
 Max RCF : 10500×g  
 Serial No : H002-003-010-301  
 Bio-isolated sealed rotor



6×100mL

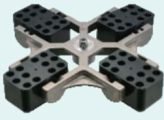
Max Speed : 11000r/min  
 Max RCF : 13310×g  
 Serial No : H002-003-011-301  
 Bio-isolated sealed rotor



6×250mL

Max Speed : 8000r/min  
 Max RCF : 9660×g  
 Serial No : H002-003-012-301  
 Bio-isolated sealed rotor

**Swing Rotor**



48×5mL

Max Speed : 4000r/min  
 Max RCF : 2960×g  
 Serial No : H008-002-065-201  
 Cup serial No :  
 H002-002-121-221



48×5mL/2mL ( Vacuum tube )

Max Speed : 4000r/min  
 Max RCF : 2423×g/2960×g  
 Serial No : H008-002-065-201  
 Cup serial No :  
 H002-002-058-221



76×5mL/2mL ( Vacuum tube )

Max Speed : 4000r/min  
 Max RCF : 3080×g  
 Serial No : H002-002-085-201  
 Cup serial No :  
 H002-002-061-202



32×15mL/10mL

Max Speed : 4000r/min  
 Max RCF : 2960×g  
 Serial No : H008-002-065-201  
 Cup serial No :  
 H002-002-050-208



4×50mL

Max Speed : 5000r/min  
 Max RCF : 4620×g  
 Serial No : H008-002-065-201  
 Cup serial No :  
 H009-002-056-208  
 See the Appendix No1 for optional  
 adapters



8×50mL

Max Speed : 4000r/min  
 Max RCF : 2960×g  
 Serial No : H008-002-065-201  
 Cup serial No :  
 H002-002-048-208  
 See the Appendix No1 for optional  
 adapters



4×100mL

Max Speed : 5000r/min  
 Max RCF : 4800×g  
 Serial No : H008-002-065-201  
 Cup serial No :  
 H009-002-064-208  
 See the Appendix No1 for optional  
 adapters



4×250mL

Max Speed : 4000r/min  
 Max RCF : 2780×g  
 Serial No : H002-002-085-201  
 Cup serial No :  
 H002-002-085-202  
 See the Appendix No1 for optional  
 adapters

**Swing micro-plate rotor**



2×2×96hole

Max Speed : 4000r/min  
 Max RCF : 2360×g  
 Serial No : H002-002-053-201  
 Cup serial No :  
 H002-002-053-221