TGL16 High Speed Refrigerated Centrifuge

Tablet high-speed refrigerated centrifuge is used for bacteria, protein precipitation, nucleic acid extraction, subcellular components separation, clinical test sample processing, blood, suitable for medical, life science, biopharmaceutical, agricultural science, environmental protection and other scientific research institutions, colleges and universities







Features

- Adopts a high-torque brushless variable-frequency motor, featuring maintenance-free operation, no dust generation, and fast acceleration/deceleration
- Equipped with an inductive electric self-priming door lock and an emergency door opening device; it has self-inspection and protection functions for door lock status, overspeed, and unbalance, ensuring safety and reliability
- Utilizes a microprocessor for precise control, with a clear red digital LED display and key programming; it simultaneously displays the rotor number, program number, speed/centrifugal force, running time, temperature, and acceleration/deceleration gears in real time. Parameters can also be modified during operation
- Employs an imported custom-made fluorine-free compressor unit; the centrifuge chamber is wrapped with high-quality copper tubes, using full tin soldering technology and a dual-circulation pipeline, which greatly improves refrigeration efficiency—it can cool down from a room temperature of 25°C to 4°C within 4 minutes. The "automatic constant temperature control system adjustment technology" is used for precise temperature control
- Can store and recall 10 sets of commonly used programs; 10 acceleration rates and 10 deceleration rates are available for users to choose flexibly, so as to achieve the best centrifugation effect
- Adopts a unique spring taper sleeve to connect the rotor and the main shaft, which locks the rotor at 360 degrees. There is no directionality when installing or removing the rotor, making the operation fast and simple (with technical patent)
- The whole machine is made of all-steel structure, with a 304 stainless steel centrifuge chamber and a multi-layer protection design, ensuring safety and reliability; it also has three-level vibration reduction and automatic balancing functions
- Has CFDA filing and CFDA production qualifications, and has passed certifications such as ISO9001, ISO13485, and CE

Specifications

TGL16 Technical Parameters:

Max Speed	16000rpm	Max RCF	20600×g
Max Volume	6×100ml Angle rotor	Speed Accuracy	±10rpm
Temperature Range	-20℃ ~ 40℃	Timer	1min ~ 99h59min
Temperature Accuracy	±1℃	Noise	≤60dBA
Power Supply	AC220V, 50HZ, 10A	Net Weight	84kg
Dimension	600×575×370mm	Package	830×670×530mm

TGL16 Matched Rotors:

Rotors No.	Rotor Type	Max Speed	Max Volume	Max RCF
No 05105	Angle rotor	15000rpm	30×0.5ml	18510×g
No 05106	Angle rotor	14000rpm	40×0.5ml	19970×g
No 05101	Angle rotor	16000rpm	12×1.5/2ml	17940×g
No 05102	Angle rotor	15000rpm	24×1.5/2m	20600×g
No 05103	Angle rotor	13500rpm	30×1.5/2ml	19340×g
No 05104	Angle rotor	13000rpm	48×1.5/2ml	17930×g
No 05107	Angle rotor	15000rpm	16×5ml	19350×g
No 05108	Angle rotor	14000rpm	12×7ml	16370×g
No 05109	Angle rotor	14000rpm	6×10ml	16460×g
No 05110	Angle rotor	12000rpm	12×10ml	14510×g
No 05113	Angle rotor	11000rpm	8×15ml	12730×g
No 05114	Angle rotor	10000rpm	12×15ml	11840×g
No 05116	Angle rotor	12000rpm	8×20m	14510×g
No 05117	Angle rotor	12000rpm	6×30m	14000×g
No 05120	Angle rotor	11000rpm	6×50m	13480×g
No 05122	Angle rotor	7000rpm	8×50m	6190×g
No 05128	Angle rotor	10000rpm	4×100ml	10310×g
No 05129	Angle rotor	10000rpm	6×100ml	11380×g
No 05140	Low-Speed Angle Rotor	5000rpm	24×15ml	3500×g
No 05224	Horizontal Rotor	15000rpm	4×5ml	19920×g
No 05216	Horizontal Rotor	4000rpm	2×3×48 well	2300×g