

# DD5、TDL5M、TDL6M、TDL8M Bench-top Low Speed Large Capacity Centrifuge

It is widely used in experiments and scientific research in the fields of biology, chemistry, medicine, agriculture and forestry, food safety, blood bank, clinical trials, etc.



## 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 20 sets of user-defined programs (Can be customized according to demand).
- Aviation forged aluminum rotor (angle rotor only) and a variety of adapters are available, can centrifuge various MTP micro-plates, PCR plates, cell plates
- With CFDA & CFDA production qualification, ISO 9001, ISO 13485 and CE certification.

## Specification

Model	DD5	TDL5M	TDL6M	TDL8M
Max Speed	5000 r/min	5500r/min	6500r/min	8000r/min
Max RCF	4800×g	4800×g	4800×g	6142×g
Max Capacity	4×500mL	4×300mL	4×300mL	4×300mL
Cooling System		R404a	R404a	R404a
Temp control range	None	- 20°C ~ +40°C	- 20°C ~ +40°C	- 20°C ~ +40°C
Temp adjustment accuracy		±1°C	±1°C	±1°C
Speed Adjustment	±50rrpm steps (can be customized)			
Operation program	20set			
Total Power	1.8kW			
Control and drive system	Large torque AC variable frequency motor, microcomputer control			
Timer Range	1min-99h59min, with continuous run function			
Noise level	≤60dB ( A )			
Weight	65kg	110kg	110kg	110kg
Dimention ( L×W×H )	630×500×420mm	630×760×400mm	630×760×400mm	630×760×400mm
Package dimensions				

## Rotors Specification

Fixed-Angle Rotor	Figure	DD5	TDL5M		
	 <p>12×15mL/10mL</p>	<p>Max Speed : 5000r/min Max RCF : 2600×g Serial No : H008-003-018-301</p>	<p>Max Speed : 5500r/min Max RCF : 3140×g Serial No : H008-003-018-301</p>		
Fixed-Angle Rotor	Figure	TDL6M	TDL8M		
	 <p>12×10mL</p>	<p>Max Speed : 6500r/min Max RCF : 4055×g Serial No : H002-003-006-301 Bio-isolated sealed rotor cover</p>	<p>Max Speed : 8000r/min Max RCF : 6142×g Serial No : H002-003-006-301 Bio-isolated sealed rotor cover</p>		
Swing Rotor	Figure	DD5	TDL5M	TDL6M	TDL8M
	 <p>48×5mL</p>		<p>Max Speed : 4000r/min Max RCF : 2960×g Serial No : H008-002-065-201 Cup serial No : H002-002-121-221</p>		
	 <p>48×5mL/2mL ( Vacuum tube )</p>		<p>Max Speed : 4000r/min Max RCF : 2960×g Serial No : H008-002-065-201 Cup serial No : H002-002-058-221</p>		
	 <p>76×5mL/2mL ( Vacuum tube )</p>		<p>Max Speed : 4000r/min Max RCF : 3080×g Serial No : H002-002-085-201 Cup serial No : H002-002-061-202</p>		
	 <p>148×5mL/2mL ( Vacuum tube )</p>	<p>Max Speed : 4000r/min Max RCF : 3420×g Serial No : H016-002-112-201 Cup serial No : H007-002-062-202</p>			
 <p>24×15mL/10mL</p>		<p>Max Speed : 5000r/min Max RCF : 4620×g Serial No : H008-002-065-201 Cup serial No : H006-002-023-208</p>			

Figure	DD5	TDL5M	TDL6M	TDL8M
 <p>32×15mL/10mL</p>			<p>Max Speed : 4000r/min  Max RCF : 2960×g  Serial No : H008-002-065-201  Cup serial No : H002-002-050-208</p>	
 <p>4×50mL</p>			<p>Max Speed : 5000r/min  Max RCF : 4600×g  Serial No : H008-002-065-201  Cup serial No : H009-002-056-208  See the Appendix No1 for optional adapters</p>	
 <p>8×50mL</p>		<p>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</p>		
 <p>4×100mL</p>	<p>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</p>		<p>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</p>	
 <p>4×250mL ( flat )</p>		<p>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</p>		
 <p>4×250mL ( Sharp )</p>	<p>Max Speed : 4000r/min  Max RCF : 2780×g  Serial No : H002-002-085-201  Cup serial No : H002-002-080-202</p>			
 <p>4×500mL</p>	<p>Max Speed : 4000r/min  Max RCF : 3580×g  Serial No : H011-002-042-201  Cup serial No : H011-002-042-202  See the Appendix No1 for optional adapters,</p>			
 <p>2×2×96hole</p>			<p>Max Speed : 4000r/min  Max RCF : 2360×g  Serial No : H002-002-053-201  Cup serial No : H002-002-053-221</p>	
 <p>4×2×96hole</p>	<p>Max Speed : 4000r/min  Max RCF : 3580×g  Serial No : H011-002-051-201  Cup serial No : H011-002-051-221</p>			

Swing Rotor

Swing micro-plate rotor