

TD5A, TD5, TDZ5, TDZ5-WS Benchtop Low Speed Centrifuges

Favored by our customers, this is one of the best-selling models of Herexi Instrument. Paired with a variety of buckets and adapters, they are ideal for clinical testing and laboratory analysis. They are widely used in experiments and scientific research in the fields of biology, chemistry, medicine, agriculture and forestry, food safety, blood stations, clinical trials, etc.



Main Features

- With single-chip microcomputers, self-developed control boards and high-torque DC brushless motors, these concentrators can run stably with lower noise, allowing for a comfortable laboratory environment.
- Early warning functions such as overspeed, overheating, imbalance, undervoltage, and overvoltage warnings; three-stage damping shock absorber, a specially combined shock absorbing device to ensure the motor runs smoothly and safely and prevent samples from resuspending, thus securing excellent centrifugal effect.
- TFT-LCD true color display screen, dual operation modes of touch screen and physical keys, and special keys for centrifugal force display, display of the set parameters and operating parameters at the same time, modification of parameters at any time during operation without interruption; intuitive, simple, and easy-to-use interface; operation menu in multiple languages (Chinese, English, Russian, Portuguese).
- Biosafety air-tight fix-angle rotor adopting an integral silicone rubber sealing ring (EU RoHS 2015/863) to avoid aerosol overflow and fully ensure the safety of operators and lab environments.

- Grade 304 austenitic stainless steel centrifugal chamber at the rear equipped with an all-steel plastic-sprayed housing, integrally formed stamping steel front cover, and a three-layer steel protective cover, which is sturdy and durable to ensure the safety of operators and labs.
- A wide voltage range design of 100V-230V improves the adaptability of the centrifuge to voltage.
- Silent, easy-to-use mechatronics motor door lock (gently close the door, and the locking system will be triggered to lock the door securely).
- 10 levels speed-up and speed-down control; storage of up to 20 sets of user-defined programs; easy calling of frequently used programs (the last used programs are called when the device is powered on).
- Paired with forged aerospace aluminum rotors (fix-angle rotors only) and a variety of optional polyamide fiber adapters, the centrifuges are suitable for 0.2mL to 250mL centrifuge tubes or reagent bottles and are able to centrifugate all types of MTP microplates, PCR plates, cell culture plates and deep well plates.
- CFDA registration and production qualification, with ISO 9001 (2015) and ISO 13485 (2016) certifications.

Host Parameters

Product Model	TD5A	TD5	TDZ5	TDZ5-WS
Max speed	5,500r/min	5,000r/min	5,000r/min	5,000r/min
Max RCF	4,800×g	4,800×g	4,800×g	4,800×g
Max capacity	4×250ml	4×250ml	8×100mL	4×100ml
Timer range	1min-99h59min59s, with continuous centrifugation and instantaneous centrifugation			
Speed accuracy	±30r/min (customizable, multiples of 10)			
Control and drive system	High torque AC brushless motor, microcomputer control			
Noise	≤65dB(A)			
Power supply	AC220V50Hz			
Total power	500W	500W	500W	350W
Weight	35kg	35kg	35kg	25kg
Dimensions (L×W×H)	600×540×360mm	600×540×360mm	600×540×360mm	500×400×300mm

Rotor Parameters

	TD5A	TD5	TDZ5	TDZ5-WS
 Fixed-angle Rotor	Max RPM: 5,500r/min Max RCF: 3,140×g Rotor item number: 10mIJZZ-008-0229 15mIJZZ-008-0113	N/A	N/A	Max RPM: 5,000r/min Max RCF: 2,600×g/2,800×g Rotor item number: 10mIJZZ-008-0229 15mIJZZ-008-0113
	TD5A	TD5	TDZ5	TDZ5-WS
 Fixed-angle Rotor	N/A	N/A	N/A	Max RPM: 4,000r/min Max RCF: 2,320×g Rotor item number: JZZ-008-0188
12×20 mL	TD5A	TD5	TDZ5	TDZ5-WS
 Fixed-angle Rotor	N/A	N/A	N/A	Max RPM: 4,000r/min Max RCF: 2,300×g Rotor item number: JZZ-008-0187

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Swing-out rotor	Tube rack					
 Swing-out rotor Max RPM: 5,000r/min Max RCF: 4,800×g Rotor item number: SPZ-000-0296	5mL (ordinary tube) 	Number of centrifuges: 5mL×48 holes Max RPM: 4,000r/min Max RCF: 2,360×g Rotor item number: SPZ-000-0046 Applicable to TD5A/TD5/TDZ5	5mL (blood collection tube) 	Number of centrifuges: 5mL×48 holes Max RPM: 4,000r/min Max RCF: 2,830×g Rotor item number: SPZ-000-0045 Applicable to TD5A/TD5/TDZ5	15mL 	Number of centrifuges: 15mL×16 holes Max RPM: 4,000r/min Max RCF: 2,764×g Rotor item number: SPZ-000-0292 Applicable to TDZ5-WS
	10mL/15mL 	Number of centrifuges: 15mL×24 holes Max RPM: 4,000r/min Max RCF: 2,960×g Rotor item number: 15mlSPZ-000-0289 10mlSPZ-000-0290 Applicable to TD5A/TD5/TDZ5	10mL/15mL 	Number of centrifuges: 15mL×32 holes Max RPM: 4,000r/min Max RCF: 2,960×g Rotor item number: 15mlSPZ-000-0287 10mlSPZ-000-0286 Applicable to TD5A/TD5/TDZ5	50mL 	Number of centrifuges: 50mL×4 holes Max RPM: 5,000r/min Max RCF: 4,600×g Rotor item number: SPZ-000-0284
	50mL 	Number of centrifuges: 50mL×8 holes Max RPM: 4,000r/min Max RCF: 2,960×g Rotor item number: SPZ-000-0283 Applicable to TD5A/TD5/TDZ5	100mL 	Number of centrifuges: 100mL×4 holes Max RPM: 5,000r/min Max RCF: 4,800×g Rotor item number: SPZ-000-0296	100mL 	Number of centrifuges: 100mL×8 holes Max RPM: 4,000r/min Max RCF: 3,070×g Rotor item number: SPZ-000-0297 Applicable to TD5A/TD5/TDZ5

	TD5A	TD5	TDZ5	TDZ5-WS
 Swing-out rotor	Max RPM: 4,000r/min Max RCF: 3,020×g Rotor item number: SPZ-000-0147	Max RPM: 4,000r/min Max RCF: 3,020×g Rotor item number: SPZ-000-0147	Max RPM: 4,000r/min Max RCF: 3,020×g Rotor item number: SPZ-000-0147	N/A

4×250ml	TD5A	TD5	TDZ5	TDZ5-WS
 Swing-out rotor	Max RPM: 4,000r/min Max RCF: 2,840×g Rotor item number: SPZ-000-0038	Max RPM: 4,000r/min Max RCF: 2,840×g Rotor item number: SPZ-000-0038	N/A	N/A

2×2×96 holes	TD5A	TD5	TDZ5	TDZ5-WS
 Swing-out rotor	Max RPM: 4,000r/min Max RCF: 2,360×g Rotor item number: SPZ-000-0145	Max RPM: 4,000r/min Max RCF: 2,360×g Rotor item number: SPZ-000-0145	Max RPM: 4,000r/min Max RCF: 2,360×g Rotor item number: SPZ-000-0145	N/A

Tube rack	Adapter
10mL	1×1.5/2mL, 1×5mL
15mL	1×1.5/2mL, 1×5mL, 1×10mL
50mL	3×1.5/2mL, 1×5mL, 1×10mL, 1×10mL, 1×15mL, 1×20mL, 1×30mL
100mL	3×1.5/2mL, 4×5mL, 1×50mL
250mL	12×1.5/2mL, 9×5mL, 7×10mL, 1×50mL, 1×100mL

Customizable per customer needs