

# Benchtop High-Speed Refrigerated Microcentrifuge

## LX-165T2R



### Scope of Application

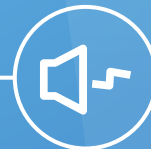
It is widely used in fields such as life sciences, biology, medical research, pharmaceuticals, geology, agriculture and forestry, petrochemicals, light industry, and metal particles, for rapid separation and extraction of trace samples. It also serves as IVD laboratory equipment when used with IVD tubes and diagnostic analysis systems, separating human blood for hematological, immunological, and cardiovascular diagnostic tests.



Short pre-cooling time of only 5 minutes from room temperature to 4°C



Precise temperature and centrifugal speed control ensures optimal separation results



Optimized sound design for low noise levels ( $\leq 46\text{dB(A)}$ )

### Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,  
Qingdao, 266111, P.R. China  
E-mail: [inquiry@haierbiomedical.com](mailto:inquiry@haierbiomedical.com)  
Website: [www.haiermedical.com](http://www.haiermedical.com)  
Mar, 2026



Haier Biomedical



Haier Biomedical  
International



Haier Biomedical  
International



Haier Biomedical  
International



Haier Biomedical  
International



**Product Features**



Short pre-cooling time of only 5 minutes from room temperature to 4°C



Fast sample processing at maximum speeds of up to 16,500 rpm (25,872 x g)



Precise temperature and centrifugal speed control ensures optimal separation results



Use of brushless induction motors to provide maintenance-free operation, eliminating carbon particle emissions



Optimized sound design for low noise levels (≤46dB(A))



Automatic radio-frequency rotor identification (RFID) and rotor life monitoring for maximum operational safety



Real time loading imbalance detection, immediate shutdown protection in case of imbalance

**Intuitive Interface**



The 7-inch 45° glove-friendly touchscreen, the wide viewing angle more comfortable and practical for users of all heights



Further enhanced with access controls such as user login with password protection, the independent program data of each user is managed separately



Quick recall of up to 1000+ programs with alpha-numeric naming to minimize time between runs and for quick run start by routine users



The speed, centrifugal force, time and temperature can be changed by user during the centrifugation process



2 acceleration + 3 deceleration stages

The screenshot shows a user interface with the following elements:

- Top Bar:** Status icons (Wi-Fi, alarm, help), time (7:39PM), date (03 Jan 2011), and user info (Visitor, Login).
- Control Panel:** A large triangular slider for acceleration/deceleration settings, currently set to 2 on both sides.
- Display Area:** Shows 0 RPM, 00:00:00 (timer), and 23°C (real-time temperature). Below this, it displays 16500 RPM / RCF, a checkmark, and 00:20:00 (set-point temperature).
- Bottom Row:** Four large touch buttons: a snowflake (fast refrigeration), a right arrow (fast centrifugation), a play button (intelligent start-stop), and a lid icon (lid-closing status).
- Right Side:** A vertical list of program slots numbered 1 through 5, with a 'More' button at the bottom.

Annotations for the interface:

- Acceleration/Deceleration setting:** Points to the triangular slider.
- Target speed/centrifugal force and real-time speed display:** Points to the RPM and RCF values.
- Temperature set-point and real-time temperature display:** Points to the 23°C and 4°C values.
- Quick access to stored programs. 1000+ program storage, supports customized programs for convenient:** Points to the program list on the right.
- Clear one-touch buttons for fast refrigeration, fast centrifugation, intelligent start-stop and lid-closing status:** Points to the bottom row of control buttons.



**Product Parts**



Intelligent lid locking monitoring and automatic self-locking to ensure safe operation



Viewing port in the lid for observing the operating condition of the rotor



Drainage tray to prevent internal water accumulation and improve corrosion resistance



Triple-layer construction to ensure safe use



316 stainless steel centrifuge chamber is rust-free and easy to clean



Emergency lid release, pry out the white plastic plug on the side plate with a tool and pull the attached release cord at least 7 times to open the lid



USB port for exporting operation record including speed, time and temperature, operation curve with alarm messages etc.

**Specifications**

Model	Maximum Capacity	Max Speed (rpm)	Max RCF(xg)	Speed Accuracy (rpm)	Time Setting Range	Precooling Function	Temperature Setting Range(°C)	Display
LX-165T2R	12*10ml	16,500	25,872	±10	1s~99h59m59s (1-second increment)	Yes	-20~40, adjustable to 1	7 inch touch screen





Noise Level (dB(A))	Power Supply (V/Hz)	Power(W)	Exterior Dimensions (W*D*H)(mm)	Net Weight (kg)	Packing Dimensions (W*D*H)(mm)	Gross Weight(kg)	Certifications
≤52	220-240/50/60	480	340*625*248	34	425*795*430	48	CE

Laboratory centrifuges contain fluorinated greenhouse gases in the sealing equipment.




**Fixed-Angle Rotor**



BE No.	BE12C0Z00	BE11D0Z00	BE12D0Z00	BE12E0Z00	BE12DR000
Type	Plastic cover	Sealed	Sealed	Sealed	Sealed
Max Capacity	24*1.5/2ml	24*1.5/2ml	12*5ml	4*8*0.2ml	12*10ml
Max RCF (xg)	25,872	21,382	21,407	18,891	2,747
Max Speed (rpm)	16,500	15,000	15,000	15,000	5,000
Tubes per Rotor	24	24	12	4	12
Tube					
Max Tube Capacity (ml)	1.5/2	1.5/2	5	0.2 8-strip PCR	10
Max Tube Dimensions (Ø x L mm)	11*38	11*38	13.5*75	6*18	15*106
Tube Type	Round /Conical bottom	Round /Conical bottom	Round bottom	PCR	Large blood collection tube(Ø15mm)

**Adapter(Sets of 50) for BE12DR000**

BE No.	BE12JN001
Max Capacity (ml)	5
Tube	
Max Tube Dimensions (Ø x L mm)	13*75
Tube Type	Short blood collection tube



\*Haier Biomedical also can provide 0.2ml adapter (sets of 24) (BE12J2003),0.5ml adapter (sets of 24) (BE12JN002) for 1.5/2ml tube rotor