

# 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 ( $\leq 46\text{dB(A)}$ )

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## 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 ( $\leq 46\text{dB(A)}$ )



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

Acceleration/  
Deceleration  
setting.

Target speed/  
centrifugal force  
and real-time  
speed display.



Temperature set-point  
and real-time temperature  
display.

Quick access to stored  
programs. 1000+ program  
storage, supports customized  
programs for convenient.

Clear one-touch buttons for fast refrigeration,  
fast centrifugation,  
intelligent start-stop and lid-closing status.



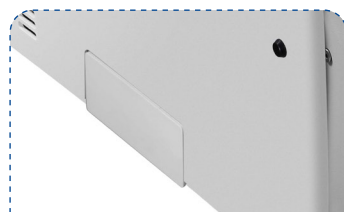
## Product Parts



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