

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 lab equipment for separating human blood, used in diagnostic tests like hematological, immunological screening, and cardiovascular assessment.



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.



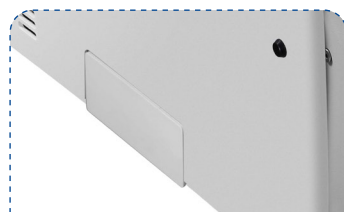
Product Parts



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 | 2,753 |
| 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. | BE12JC002 |
|--------------------------------|---|
| 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