

Refrigerated | High speed | Floorstanding

# LG-25M



Order No.:0105200000

LG-25M is a high capacity centrifuge which can run 6L at a time, fixed angle rotor can accommodate 6x1000ml capacity at most. The centrifuge can run 25000rpm, and temperature range is from -20°C to +40°C.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 100000 run histories, can be exported as PDF file
- > up to 40 rates acceleration and deceleration
- > up to 7 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > LCD touch screen for viewing and setting parameters
- > Support short spin and continuous centrifugation
- > Automatic door open without manual lifting
- > Automatic rotor lock, without using any tools.

### Ensure safety

- > Automatic rotor recognition to prevent overspeed
- > Motorized electronic self-priming door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinges to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation
- > User management by password, with permission allocation

### Refrigeration

- > High quality compressor unit
- > -20°C to +40°C, 1°C increment
- > ±1°C high temperature accuracy
- > CFC-free refrigerant
- > PID dynamic temperature control
- > Temperature sensor inside the chamber
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With ECO energy-saving module

### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- > Rotor: Strong metal
- > Rotors are autoclavable

### Multi-level permission assignment

Freely set management permissions according to needs, which is convenient for user management; users can use the device through passwords and electronic identification cards.

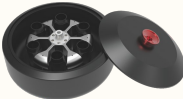
### Multifunctional operating system

Microprocessor control. Precisely control various parameters through PID adjustment to realize electronic records and electronic signature.

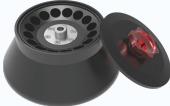
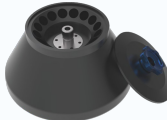
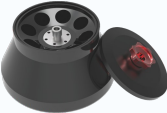
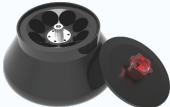
TECHNICAL DATA

|                      |                |
|----------------------|----------------|
| Max Speed            | 25000rpm       |
| Max RCF              | 65018xg        |
| Max Capacity         | 6x1000ml       |
| Temperature Range    | -20℃ ~ +40℃    |
| Temperature Accuracy | ±1℃            |
| Speed Accuracy       | ±10rpm         |
| Time Setting         | 1s ~ 99h59m59s |
| Noise                | ≤65dB(A)       |
| Voltage              | 220v/110v      |
| Power Consumption    | 5000w          |
| Dimension            | 740x720x900mm  |
| Weight               | 250kg          |

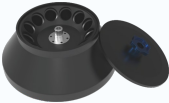
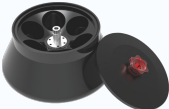
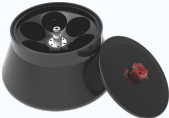
AVAILABLE ROTORS

| Swing out rotor                                                                     |                   |            |                  |                              |                                                  |
|-------------------------------------------------------------------------------------|-------------------|------------|------------------|------------------------------|--------------------------------------------------|
| Rotor                                                                               | Capacity          | Order No.  | Max speed/RCF    | Adaptor                      |                                                  |
|                                                                                     |                   |            |                  | Capacity                     | Order No.                                        |
|  | Capacity: 4×750ml | 0495080200 | 5000rpm/5590×g   | 4×24×2ml                     | 1102100011                                       |
|                                                                                     |                   |            |                  | 4×24×2ml frozen storage tube | 1102100020                                       |
|                                                                                     |                   |            |                  | 4×37×5ml RIA tube            | 1102100021                                       |
|                                                                                     |                   |            |                  | 4×24×7ml blood tube          | 1102100001                                       |
|                                                                                     |                   |            |                  | 4×18×10ml                    | 1102100019                                       |
|                                                                                     |                   |            |                  | 4×14×15ml                    | 1102100017/round tube<br>1102100002/conical tube |
|                                                                                     |                   |            |                  | 4×8×30ml                     | 1102100018                                       |
|                                                                                     |                   |            |                  | 4×7×50ml conical tube        | 1102100003                                       |
|                                                                                     |                   |            |                  | 4×3×100ml                    | 1102100004                                       |
|                                                                                     |                   |            |                  | 4×1×250ml                    | 1102100005                                       |
|                                                                                     |                   |            |                  | 4×1×500ml                    | 1102100006                                       |
|  | Capacity: 6×50ml  | 0495130400 | 10000rpm/15685×g | /                            | /                                                |

AVAILABLE ROTORS

| Fixed angle rotor                                                                   |                           |            |                  |                          |                                                  |
|-------------------------------------------------------------------------------------|---------------------------|------------|------------------|--------------------------|--------------------------------------------------|
| Rotor                                                                               | Capacity                  | Order No.  | Max speed/RCF    | Adaptor                  |                                                  |
|                                                                                     |                           |            |                  | Capacity                 | Order No.                                        |
|    | 24×1.5/2ml                | 0494020700 | 25000rpm/64844×g | 24×1×0.2ml               | 1101010001                                       |
|                                                                                     |                           |            |                  | 24×1×0.5ml               | 1101010002                                       |
|    | 16×10ml                   | 0494040300 | 23000rpm/56894×g | 16×1×2ml                 | 1101030001                                       |
|                                                                                     |                           |            |                  | 16×1×5ml                 | 1101030002                                       |
|    | 16×10ml<br>titanium alloy | 0494040700 | 24600rpm/65018×g | 16×1×2ml                 | 1101030001                                       |
|                                                                                     |                           |            |                  | 16×1×5ml                 | 1101030002                                       |
|   | 16×15ml<br>conical tube   | 0494050300 | 18000rpm/41656×g | 16×1×5ml                 | 1101040001                                       |
|                                                                                     |                           |            |                  | 16×1×10ml                | 1101040002                                       |
|  | 8×50ml<br>round tube      | 0494070600 | 21000rpm/52360×g | 8×1×2ml                  | 1101060003                                       |
|                                                                                     |                           |            |                  | 8×1×5ml                  | 1101060004                                       |
|                                                                                     |                           |            |                  | 8×1×10ml                 | 1101060001                                       |
|                                                                                     |                           |            |                  | 8×1×15ml<br>conical tube | 1101060005                                       |
|                                                                                     |                           |            |                  | 8×1×30ml                 | 1101060002                                       |
|  | 8×100ml                   | 0494080400 | 15000rpm/31670×g | 8×1×5ml                  | 1101080007                                       |
|                                                                                     |                           |            |                  | 8×1×10ml                 | 1101080001                                       |
|                                                                                     |                           |            |                  | 8×1×15ml<br>conical tube | 1101080002                                       |
|                                                                                     |                           |            |                  | 8×1×30ml                 | 1101080003                                       |
|                                                                                     |                           |            |                  | 8×1×50ml                 | 1101080005/conical tube<br>1101080004/round tube |

AVAILABLE ROTORS

| Fixed angle rotor                                                                   |                         |            |                  |                           |                                                                           |
|-------------------------------------------------------------------------------------|-------------------------|------------|------------------|---------------------------|---------------------------------------------------------------------------|
| Rotor                                                                               | Capacity                | Order No.  | Max speed/RCF    | Adaptor                   |                                                                           |
|                                                                                     |                         |            |                  | Capacity                  | Order No.                                                                 |
|    | 12×50ml<br>conical tube | 0494070800 | 14000rpm/31335×g | 12×1×2ml                  | 1101070003                                                                |
|                                                                                     |                         |            |                  | 12×1×5ml                  | 1101070004/conical tube<br>1101070005/round tube                          |
|                                                                                     |                         |            |                  | 12×1×7ml                  | 1101070012                                                                |
|                                                                                     |                         |            |                  | 12×1×10ml                 | 1101070006/glass tube<br>1101070007/conical tube<br>1101070008/round tube |
|                                                                                     |                         |            |                  | 12×1×15ml                 | 1101070001/conical tube                                                   |
|                                                                                     |                         |            |                  | 12×1×25ml                 | 1101070010                                                                |
|                                                                                     |                         |            |                  | 12×1×50ml<br>round tube   | 1101070002                                                                |
|  | 6×250ml                 | 0494090200 | 14000rpm/32255×g | 6×5×15ml                  | 1101090005                                                                |
|                                                                                     |                         |            |                  | 6×1×50ml                  | 1101100002/conical tube<br>1101100001/round tube                          |
|                                                                                     |                         |            |                  | 6×1×100ml                 | 1101100003                                                                |
|  | 6×500ml                 | 0494110100 | 10000rpm/18581×g | 6×7×10ml                  | 1101110007                                                                |
|                                                                                     |                         |            |                  | 6×4×15ml<br>conical tube  | 1101110001                                                                |
|                                                                                     |                         |            |                  | 6×3×50ml                  | 1101110002                                                                |
|                                                                                     |                         |            |                  | 6×2×50ml<br>conical tube  | 1101110003                                                                |
|                                                                                     |                         |            |                  | 6×1×100ml                 | 1101110004                                                                |
|                                                                                     |                         |            |                  | 6×1×250ml                 | 1101110005                                                                |
|  | 6×1000ml                | 0494120200 | 8000rpm/15054×g  | 6×14×15ml<br>conical tube | 1101120003                                                                |
|                                                                                     |                         |            |                  | 6×5×50ml<br>conical tube  | 1101120004                                                                |
|                                                                                     |                         |            |                  | 6×1×250ml                 | 1101120001                                                                |
|                                                                                     |                         |            |                  | 6×1×500ml                 | 1101120002                                                                |