

Refrigerated | High speed | Floorstanding

LG-16M



Order No.:0105130000

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

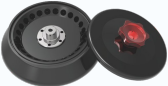
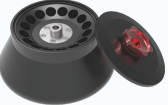
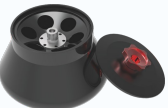
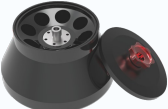
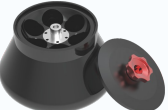
Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor
- >Rotors are autoclavable

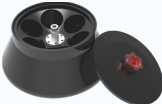
TECHNICAL DATA

|                      |                |
|----------------------|----------------|
| Model                | LG-16M         |
| Max Speed            | 16000rpm       |
| Max RCF              | 30395xg        |
| Max Capacity         | 6x500ml        |
| Temperature Range    | -20°C ~ +40°C  |
| Temperature Accuracy | ±1°C           |
| Speed Accuracy       | ±10rpm         |
| Time Setting         | 1s ~ 99h59m59s |
| Noise                | ≤65dB(A)       |
| Voltage              | 220v/110v      |
| Power Consumption    | 5000w          |
| Dimension            | 740x720x900mm  |
| Weight               | 250kg          |

AVAILABLE ROTORS

| Rotor                                                                               |                      |            |                  |                          |                                                  |
|-------------------------------------------------------------------------------------|----------------------|------------|------------------|--------------------------|--------------------------------------------------|
| Rotor                                                                               | Capacity             | Order No.  | Max speed/RCF    | Adaptor                  |                                                  |
|                                                                                     |                      |            |                  | Capacity                 | Order No.                                        |
|    | 24×1.5/2ml           | 0494020700 | 16000rpm/26560×g | 24×1×0.2ml               | 1101010001                                       |
|                                                                                     |                      |            |                  | 24×1×0.5ml               | 1101010002                                       |
|    | 16×10ml              | 0494040300 | 16000rpm/27533×g | 16×1×2ml                 | 1101030001                                       |
|                                                                                     |                      |            |                  | 16×1×5ml                 | 1101030002                                       |
|   | 6×50ml<br>round tube | 0494070900 | 16000rpm/28620×g | 6×1×2ml                  | 1101060003                                       |
|                                                                                     |                      |            |                  | 6×1×5ml                  | 1101060004                                       |
|                                                                                     |                      |            |                  | 6×1×10ml                 | 1101060001                                       |
|                                                                                     |                      |            |                  | 6×1×15ml<br>conical tube | 1101060005                                       |
|                                                                                     |                      |            |                  | 6×1×30ml                 | 1101060002                                       |
|  | 8×50ml<br>round tube | 0494070600 | 16000rpm/30395×g | 8×1×2ml                  | 1101060003                                       |
|                                                                                     |                      |            |                  | 8×1×5ml                  | 1101060004                                       |
|                                                                                     |                      |            |                  | 8×1×10ml                 | 1101060001                                       |
|                                                                                     |                      |            |                  | 8×1×15ml<br>conical tube | 1101060005                                       |
|                                                                                     |                      |            |                  | 8×1×30ml                 | 1101060002                                       |
|  | 6×100ml              | 0494080300 | 14000rpm/23665×g | 6×1×5ml                  | 1101080007                                       |
|                                                                                     |                      |            |                  | 6×1×10ml                 | 1101080001                                       |
|                                                                                     |                      |            |                  | 6×1×15ml<br>conical tube | 1101080002                                       |
|                                                                                     |                      |            |                  | 6×1×30ml                 | 1101080003                                       |
|                                                                                     |                      |            |                  | 6×1×50ml                 | 1101080005/conical tube<br>1101080004/round tube |

AVAILABLE ROTORS

| Rotor                                                                             |          |            |                  |                          |                                                  |
|-----------------------------------------------------------------------------------|----------|------------|------------------|--------------------------|--------------------------------------------------|
| Rotor                                                                             | Capacity | Order No.  | Max speed/RCF    | Adaptor                  |                                                  |
|                                                                                   |          |            |                  | Capacity                 | Order No.                                        |
|  | 6×250ml  | 0494090200 | 10000rpm/16456×g | 6×5×15ml                 | 1101090005                                       |
|                                                                                   |          |            |                  | 6×1×50ml                 | 1101100002/conical tube<br>1101100001/round tube |
|                                                                                   |          |            |                  | 6×1×100ml                | 1101100003                                       |
|  | 6×500ml  | 0494110100 | 8000rpm/11891×g  | 6×7×10ml                 | 1101110007                                       |
|                                                                                   |          |            |                  | 6×4×15ml<br>conical tube | 1101110001                                       |
|                                                                                   |          |            |                  | 6×3×50ml<br>round tube   | 1101110002                                       |
|                                                                                   |          |            |                  | 6×2×50ml<br>conical tube | 1101110003                                       |
|                                                                                   |          |            |                  | 6×1×100ml                | 1101110004                                       |
|                                                                                   |          |            |                  | 6×1×250ml                | 1101110005                                       |

| Swing out rotor                                                                     |                   |            |                |                                 |                                                  |
|-------------------------------------------------------------------------------------|-------------------|------------|----------------|---------------------------------|--------------------------------------------------|
| Rotor                                                                               | Capacity          | Order No.  | Max speed/RCF  | Adaptor                         |                                                  |
|                                                                                     |                   |            |                | Capacity                        | Order No.                                        |
|  | Capacity: 4×750ml | 0495080200 | 4000rpm/3577×g | 4×24×2ml                        | 1102100011                                       |
|                                                                                     |                   |            |                | 4×24×2ml<br>frozen storage tube | 1102100020                                       |
|                                                                                     |                   |            |                | 4×37×5ml<br>RIA tube            | 1102100021                                       |
|                                                                                     |                   |            |                | 4×24×7ml<br>blood tube          | 1102100001                                       |
|                                                                                     |                   |            |                | 4×18×10ml                       | 1102100019                                       |
|                                                                                     |                   |            |                | 4×14×15ml                       | 1102100017/round tube<br>1102100002/conical tube |
|                                                                                     |                   |            |                | 4×8×30ml                        | 1102100018                                       |
|                                                                                     |                   |            |                | 4×7×50ml<br>conical tube        | 1102100003                                       |
|                                                                                     |                   |            |                | 4×3×100ml                       | 1102100004                                       |
|                                                                                     |                   |            |                | 4×1×250ml                       | 1102100005                                       |
|                                                                                     |                   |            |                | 4×1×500ml                       | 1102100006                                       |