



FLOOR STANDING CENTRIFUGE

MBCF 05RF



FLOOR STANDING HIGH PERFORMANCE LOW SPEED CENTRIFUGE

At Mehrotra Biotech, we bring you precision-engineered centrifuges designed for reliability and efficiency in any laboratory or industrial setting. Our centrifuges are built to deliver consistent, accurate separations with user-friendly interfaces and advanced safety features. Whether handling routine lab tasks or high-throughput processes, our centrifuges offer the performance and flexibility you need. Trust Mehrotra Biotech for innovative solutions that support your research and production with precision and confidence.

FEATURES

Advanced Control System, Excellent separation

1. 10 kinds of Accel/Decel modes; User can set up the operate parameter by themselves, to achieve the best centrifugal result.
2. Short running function, easy to diversification centrifugation.
3. Proprietary SCT speed control technical, high efficiency.
4. Proprietary SBT soft brake control technique, to avoid mix up and ensure get maximum specimen.
5. European compressor unit, proprietary temperature control technology, high accuracy of temperature control, ensure sample activity.
6. Timing control, the centrifugal time can be free to choose minutes or seconds, to achieve optimal centrifugation.

High safety, rest assured to use

- Automatic rotor identification system, no need to worry about selecting the wrong rotor number, prevent over-speed running.
- Safety protection of over-speed, door lid lock, imbalance etc., sound and light alarm prompts, ensure the safety of operator, machine and samples.
- Steel body, stainless steel centrifugal chamber, steel protective sleeve, prevent accidents.
- Optional bio-safety rotor, the rotor can be sterilized by high temperature and high pressure, prevent biological pollution.

Intuitive interface, good user experience

- LCD, LED multi-screen display, program group, Accel/Decel, RPM/ RCF, time, and other parameters are independently displayed with one-key setting, easy to operate.

- Microcomputer control, automatic memory of operating parameters, RCF can be directly started, 40 programs can be stored and recalled, reducing repeated operations.
- Three-stage damping, low vibration and low noise.

Good parts, Reliable and Durable

- Brushless frequency converter motor, European super speed bearing and Freon-free compressor imported from Europe, high quality.
- Aerospace damping rubber, duralumin alloy, to prolong the life of the whole machine.

TECHNICAL PARAMETER:

| | |
|----------------------|------------------|
| Model | MBCF 05RF |
| Max Speed | 6000r/min |
| Max RCF | 5640×g |
| Max Capacity | 3000ml |
| Temperature Range | -20° C-+40° C |
| Temperature Accuracy | ±1° C |
| Speed Accuracy | ±10r/min |
| Time Range | 1-999min/999s |
| Power Supply | AC 220V 50Hz 16A |
| Noise | ≤65dB |
| Dimension | 760x630x920mm |
| Weight | 190kg |

ROTOR OPTIONS

| Rotor Type | Rotor No. | Capacity | Max Speed (r/min) | Max RCF (×g) | Dimension of tube (mm) |
|-------------|-----------|------------|-------------------|--------------|------------------------------|
| Angle Rotor | No.37 | 12×10/15ml | 6000 | 5120 | Φ16×114-118 |
| Swing Rotor | No.63 | 4×50/100ml | 5500 | 5640 | Φ38×124 |
| | No.69-1 | 4×500ml | 4000 | 3150 | Φ80×140 |
| | No.69-2 | 96×5/7ml | 4000 | 3150 | Vacuum Blood Collection Tube |
| | No.70-1 | 4×250ml | 4000 | 2930 | Φ64×112 |
| | No.70-2 | 48×5/7ml | 4000 | 2930 | Vacuum Blood Collection Tube |
| | No.70-3 | 72×5/7ml | 4000 | 2930 | |

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|--------------------------|---------|------------------|------|------|------------------------------|
| | No.71-1 | 4 × 750ml | 4000 | 3350 | Φ 99 × 128 |
| | No.71-2 | 120 × 5/7ml | 4000 | 3350 | Vacuum Blood Collection Tube |
| | No.81-1 | 32 × 10/15ml | 4000 | 2960 | Φ 16 × 114-118 |
| | No.81-2 | 8 × 50/100ml | 4000 | 2960 | Φ 28 × 105-115 |
| | No.97 | 6 × 500ml | 4000 | 3870 | Φ 80 × 140 |
| Micro Plate Rotor | No.43 | 2 × 2 × 96 Wells | 4000 | 2540 | PCR/ Micro Plate |



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OUR BRANCH OFFICES

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