



# TABLE TYPE CENTRIFUGE

## MBCF 05A



## **TABLE TYPE HIGH PERFORMANCE UNIVERSAL 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 of blood and other liquid samples with various 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**

- 10 acceleration and 10 deceleration rates (0 to 9) options, self-defining centrifugal parameters, to achieve the most optimized centrifugation
- Hold-on and transient centrifuging, convenient for diversified centrifugation
- Proprietary SCT speed control technology to achieve precise centrifugation
- Dynamic braking technology reduces resuspension and convenient for sampling, ensuring maximum specimen and retaining cell quality.
- Unique air flow-guided air-cooling design, small temperature rise, maintain sample activity.
- Timing control, centrifugal time can be freely selected digitally in minute or second 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.
- Corrosion-free Steel body, 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 touch keypad 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.
- Aerodynamic, three-stage damping, vibration free and low noise.

## Good parts, Reliable and Durable

- Brushless frequency converter motor and drive, European super speed bearing and Freon-free compressor, high quality.
- Aviation damping rubber, ultra-hard aluminum alloy rotor thick film hard oxidation, corrosion resistance, prolong the life of the whole machine.

## TECHNICAL PARAMETER:

Model	MBCF 05A
Max Speed	20500r/min
Max RCF	29600×g
Max Capacity	Angle rotor 600ml, swing rotor 3000ml
Speed Accuracy	±20r/min
Time Range	1-999min/999s
Power Supply	AC 220V 50Hz 10A
Noise	<60dB
Dimension	570×480×400mm
Weight	68kg

## ROTOR OPTIONS

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No.6-1	12×1.5ml	20500	29600×g	Φ 10×42
	No.6-2	18×0.5ml	20500	29600×g	Φ 8×32
	No.9	24×1.5 /2.0ml	16000	25470×g	Φ 10×42
	No.12	10×5ml	16000	18600×g	Φ 14×54
	No.16	12×10ml	15000	22640×g	Φ 16×81
	No.22	6×50ml	13000	19080×g	Φ 28×105
	No.31-2	12×15ml	10000	12290×g	Φ 16×115
	No.52	8×15ml	12000	16740×g	Φ 16×115
	No.56-1	48×1.5/2.0ml	13000	14740×g	Φ 10×42
	No.56-2	4×8×0.2ml	13000	14740×g	8-strip tubes
No.59	6×100ml	11000	16910×g	Φ 38×124	
Microplate Rotor	No.43	2×2×96 Wells	4000	2540×g	PCR/Micro plate
Swing Rotor	No.63	4×50/100ml	5000	4660×g	Φ 38×124
	No.69-1	4×500ml	4000	3150×g	Blood Collection Tube
	No.69-2	72×5/7ml	4000	3150×g	
	No.69-3	96×5/7ml	4000	3150×g	
	No.70-1	4×250ml	4000	2930×g	Φ 64×113
	No.70-2	48×5/7ml	4000	2930×g	Blood Collection Tube
	No.71	4×750ml	4000	3350×g	Φ 99×130
	No.81-1	8×50/100ml	4000	2960×g	Φ 38×124
	No.81-2	32×10/15ml	4000	2960×g	Φ 16×85-118



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