

Mbi Centrifuges

MBI Centrifuges are widely used in routine applications in research laboratories.

Conforms to safety standards and regulations.

- High strength plastic rotor gives excellent balance to guarantee stable operation
- Dual protection housing particularly advantageous for safe running
- Brushless DC motor precisely accelerates to the set speed



Precise control

- Powerful CPU for easy operation of speed, time and all other parameters
- High accuracy of speed
- Digital timer adjustable from 30 sec. to 99 min or set for continuous run
- Gentle braking at low speeds with efficient separation

Ergonomic design

- Easy operation thanks to intuitive menu and easy-to-read display
- RPM or G-force can be set and displayed
- Parameters can be modified after the set speed is reached
- Pressing and holding PULSE key for quick spin function
- Automatic lid-lock release
- Easy-to-read processing display and sound alert



The MBI SCI412 Centrifuge is ideal for routine applications in research laboratories.

MBI SCI412

Low-speed Centrifuge

Features:

- Easy programming to achieve high accuracy of speed control
- Easy operation with intuitive menu and easy-to-read display
- Rotor speed can be set and displayed by RPM or G-force
- Maintenance-free brushless DC motors
- Quick spin function with press and hold pulse key
- Lid with electric lock and automatic release function saves processing time and prevents samples overheating
- Automatic self-diagnosis on startup showing accumulative running time and last running parameters
- Braking time 2 gears adjustable (for A6-50P rotor)
- A12-10P and A6-50P are not interchangeable



MBI SCI412-S

Economical Low-speed Centrifuge

Features:

- speed range of 300-4500rpm
- Individual control of speed and time
- Faster acceleration and deceleration
- Perfectly suitable for 15mL cell culture tubes and a full line of collection tubes



MBI SCI412 series



Specifications

	MBI SCI412	MBI SCI412-S
Speed Range	300-4500rpm, increment: 100rpm	300-4500rpm, increment:100rpm
Max. RCF	2490xg	2490xg
Speed accuracy	±20rpm	±100rpm
Rotor type	A12-10P, A6-50P	A12-10P
Run Time	30sec-99min HOLD(Continuous operation)	1sec-99min HOLD(Continuous operation)
Motor	Brushless DC motor	DC motor
Display	LCD	LED
Safety Devices	Door interlock,Overspeed detector; Automatic internal diagnosis	Door interlock,Over-speed detection
Acceleration/Braking time	A12-10P: 20s \bar{S} 13s \bar{S} A6-50P: 20s \bar{S} 20 s /90 s \bar{S}	23s \bar{S} 23s \bar{S}
Power	Single-phase, 100V-240V,50Hz/60Hz, 3A 70W	Single-phase,200V-240V,50Hz/60Hz, 3A;100V-120V,50Hz/60Hz, 3A 70W
Dimension[WxDxH]	301x354x217mm	301x354x217mm
Weight	6kg	6kg
Advanced features	Speed/RCF switch;Short-time run function; sound-alert function	sound-alert function



MBI SCI412 series | Rotors and Adapters

Available rotors



A12-10P

for MBI SCI412 & SCI412-S











Max. speed: 4500rpm
Max. RCF: 2490×g
Rotor capacity: 8x15mL, 12x10mL
Rotor material: High strength plastic



A6-50P

For MBI SCI412(A6-50P)

Max. speed: 4000rpm
Max. RCF: 1800×g
Rotor capacity: 50ml×6, 15ml×6
Rotor material: High strength plastic

Available tubes	Tube quantity	Dimension (mm)	Adapters	Maximum speed(rpm)	Radius (cm)	Maximum RCF (×g)
15mL con 	8	17×120	---	4500	11	2490
1.5-5mL vacu 	12	13×75	A10P15 & Plug 	4500	9.8	2218
4-7 mL vacu 	12	13×100	A10P15 	4500	11	2490
		16×75			9.8	2218
8.5-10 mL vacu 	12	16×107		4500	11	2490
2.7-3 mL(EU) collection tube 	12	11×66	A10P15 & Plug 	4500	9.8	2218
7.5-8.2 mL(EU) collection tube 	12	15×92	A10P15 	4500	11	2490

Note: Made of plastic, A12-10P rotor cannot be autoclaved or applied with UV irradiation. Regular sterilization is recommended.