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Benchtop High Speed Centrifuge available for both room temperature and refrigerated conditions with wide range of high quality applications in clinical medicine, biochemistry, genetic engineering, immunological applications. Equipped with anticorrosive materials, compact footprint structured refrigeration, rotor versatility, and throughput.

Benchtop High Speed Centrifuge IBHC-1000 Series

Benchtop High-Speed Centrifuge IBHC-1000 Series small footprint of capacity up to 24x1.5 ml/2.2 ml with maximum speed ranging 16500 rpm. Offer SCT and SBT speed control parameter to avoid mix up and ensure to get maximum samples. Features with LED touch screen with multi-functional knob combination parameters. Available with 10 profiles for acceleration and for deceleration with high efficiency. For safety we introduced electronic door lock function and, imbalance detection, over-speed protection, inching function, short-spin function accommodates angle rotor to securely hold smaller tube sizes of 12x1.5 ml/2.2 ml and 14000 rpm, 13148xg.

- Designed digital LED screen to show various information including running time, speed, RCF
- Manufactured in compliance with microprocessor
- Energy-efficient DC brushless regulating motor to certifies low maintenance, high efficiency and constant speed of rotation
- Available with the many stages to speed up and speed down the process
- Adopt inching function with short-term centrifuge process
- Set timer up to 1sec to 1 hour 39 min per continuation
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Provide the system speed safety and protection by overcome speed obstacle by introducing over-speed protection
- User can set the RCF, time, rotating speed manually
- User can change the parameters during the running process
- Rotors and adaptors are available as an optional accessories

Model	IBHC-1010	IBHC-1020	IBHC-1030	IBHC-1040
Shaking Speed	16500 rpm			
RCF Speed	18110 × g			
Speed Accuracy	?20 rpm	±10 rpm	?20 rpm	
Rotors Capacity	10x5 ml	8x7 ml	8x10 ml	24x1.5 ml/2.2 ml
Materials	Stainless steel centrifugal chamber			
Display	LED			
Noise	?60dB			
Optional Rotor/ Adaptor	2 rotors: 16500 rpm, 18110xg, 12x1.5 ml/2.2 ml and 14000 rpm, 13148xg, 10x5 ml	2 rotors: 16500 rpm, 18110xg, 12x1.5 ml/2.2 ml and 14000 rpm, 13148xg, 8x7 ml	2 rotors: 16500 rpm, 18110xg, 12x1.5 ml/2.2 ml and 12000 rpm, 12074xg, 8x10 ml	rotors: 16500 rpm, 18110xg, 12x1.5 ml/2.2 ml and 14000 rpm, 16435xg, 48x0.5 ml, 14000 rpm, 13367xg, 24x1.5 ml/2.2 ml
Time Range	1 to 1 hour 39 min/continuation			
Power Consumption	80 VA			
Dimension	330x390x325 mm			
Weight	15 kg	26 kg	15 kg	
Electrical Requirement	AC 220V/50Hz			
Catalogue No.	1401400502	1401401002	1401401502	1401402002

Benchtop High Speed Centrifuge IBHC-3000 Series

Benchtop High-Speed Centrifuge IBHC-3000 Series are tabletop for angle rotor of capacity 4x100ml (1000rpm). Features with LCD screen with multi-functional knob combination parameters. Available with 9 profiles for acceleration and for deceleration with high efficiency. For safety, we introduced an electronic door lock function and, imbalance detection, over-speed protection, inching function, short-spin function. As per customer requirement, various specifications of angle rotors can be customized and accommodates angle rotor.

- Energy-efficient brushless regulating motor
- Available with 9 profile for acceleration and 9 for deceleration, high efficiency
- New frequency conversion driving motor
- Allow automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety
- Electronic door lock, full steel door cover protection, superior to industrial standards and Password lock function
- Microcomputer controlled
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Designed digital LCD screen with multi-functional knob combination
- Eco friendly with high-efficiency refrigerating system
- Centrifugal chamber are constructed with stainless steel
- Designed with air exhaust temperature and low noise compressor
- CFC-free refrigerants, refrigerating/heating double loop
- Small footprint and easy handling

Rotors

Rotor types	Numbers	Capacity	Max Speed	Max RCF
Angle Rotor	1	12x1.5ml/2.2ml	17000rpm(IBHC-1200);19000rpm(IBHC-1600);20000rpm(IBHC-1800)	20050Xg, 25050Xg, 27800Xg
	2	12x5ml	15000 rpm	18270Xg
	3	24x1.5/2.2ml	13500 rpm	18170Xg
	4	12x10ml	12500 rpm	14000Xg
	5	6x50ml	12000 rpm	15970Xg
	6	4x100ml	10000 rpm	10640Xg
	7	6x10ml	16000 rpm	19070Xg
	8	6x15ml	12000 rpm	14520Xg
	9	4x(8x0.2ml PCR tubes)	13000 rpm	17000Xg

Benchtop High Speed Centrifuge IBHC-2000

Benchtop High-Speed Centrifuge IBHC-2000 high-performance centrifuge of capacity up to 400 ml with maximum speed ranging 18600 rpm. Offer SCT and SBT speed control parameter to avoid mix up and ensure to get maximum samples. Features with LCD/LED touch screen with multi-functional knob combination parameters. Available with 10 profiles for acceleration and for deceleration with high efficiency. For safety, we introduced an electronic door lock function and, imbalance detection, over-speed protection, inching function, short-spin function. Storages up to 40 programming space and accommodates angle rotor to securely hold smaller tube sizes of 12×1.5ml and 48×0.5ml tubes.



- Energy-efficient brushless regulating motor
- Available with 10 profile for acceleration and 10 for deceleration, high efficiency
- New high torque frequency conversion driving motor
- Allow automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety
- Proprietary SCT and SBT soft brake control technical, to avoid mix up and ensure get a maximum sample
- Double electronic door lock, full steel door cover protection, superior to industrial standards and Password lock function
- Microprocessor controlled
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Designed digital LED screen with multi-functional knob combination
- Eco friendly with the high-efficiency refrigerating system, able to maintain temperature under 0℃ during maximum RPM
- Centrifugal chamber is constructed with stainless steel
- Designed with air exhaust temperature and low noise compressor
- CFC-free refrigerants, refrigerating/heating double loop
- Small footprint and easy handling

Rotors

Rotor types	Number	Capacity	Max Speed(rpm)	Max RCF	Dimension (mm)
Angle Rotor	1	12×1.5ml	18600	23950×g	10×42
	2	18×0.5ml	18600	23950×g	8×32
	3	24×1.5/2.0ml	15000	21000×g	10×42
	4	48×0.5ml	13000	14740×g	8×32
	5	10×5ml	13000	11500×g	14×54
	6	12×10ml	12000	14800×g	16×81
	7	6×50ml	12000	14800×g	28×105
	8	4×8×0.2ml	12000	14800×g	6×22
	9	8×15ml	10000	9690×g	16×115
	10	4×100ml	10000	9690×g	38×124

Model	IBHC-2000
Capacity	400ml
Max RCF	23950×g
Speed Range	18600 rpm
Noise	?60dB
Revolutions/min	±20 rpm
Timer	0 to 999min/999s
Dimension	460×350×350 mm
Weight	20 kg
Electrical Requirement	AC 220V 50Hz 16A
Catalogue No.	1401450502

Benchtop High Speed Centrifuge IBHC-4000 Series

Benchtop High-Speed Centrifuge IBHC-4000 Seriessmall footprint and compact centrifuge of capacity from 12×5ml to 4×750ml with maximum speed ranging 21000 rpm. Features with digital LCD/LED screen to show parameters including running time, speed, RCF. Available with 10 profiles for acceleration and for deceleration with high efficiency. For safety, we introduced electronic door lock function and, imbalance detection, over-speed protection, inching function, short-spin function. Storages up to 15 groups of programming space and accommodates angle rotor, Swing Rotor, Enzyme labeled plate rotor for 2×2×48 wells, Bucket, and PCR tubes.



- Energy-efficient AC brushless regulating motor
- Available with 10 profile for acceleration and 10 for deceleration, high efficiency
- New high torque frequency conversion driving motor
- Allow automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety
- Electronic door lock, full steel door cover protection, superior to industrial standards and Password lock function
- Microcomputer controlled
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Designed digital LED screen with multi-functional knob combination
- Eco friendly with the high-efficiency refrigerating system, able to maintain temperature under 0℃ during maximum RPM
- Centrifugal chamber is constructed with stainless steel
- Designed with air exhaust temperature and low noise compressor
- CFC-free refrigerants, refrigerating/heating double loop
- Small footprint and easy handling
- Store up to 12 program groups, 99 use records and fault records can be traced, using hours & minutes and minutes & seconds two timing options

Applications:

- Ethanol precipitated nucleic acid PCR experiment, phenol-chloroform extraction from virus and bacteria samples.
- Cell homogenization followed by fractioning centrifuge.
- PCR product purification

Accessories









Rotors

Model	IBHC-4100	IBHC-4300	IBHC-4500	IBHC-4700
Rotor	Angle Rotor 1:12/16×1.5/2.2ml; 16500rpm/18360×g Angle Rotor 2:12×10ml; 12000rpm/14800×g Angle Rotor 3:6×50ml/round bottom; 11000rpm/ 12840×g	Angle Rotor 1:12/16×1.5/2.2ml; 18500rpm/23900×g Angle Rotor 2:18×0.5ml; 16000rpm/16000×g Angle Rotor 3:10/12×5ml; 15000rpm/15940×g Angle Rotor 4:24×1.5/2.2ml; 14000rpm/18757×g Angle Rotor 5:12×10ml; 13000rpm/17370×g Angle Rotor 6:12×15ml /sharp bottom,; 10000rpm/9690×g Angle Rotor 7:4×100ml; 10000rpm/9690×g Angle Rotor 8:6×50ml/round bottom; 12000rpm/15285×g Angle Rotor 9:6×50ml/sharp bottom; 11000rpm/12840×g	Rotor 1:12×1.5ml; 20000rpm/26800×g Rotor 2:16×1.5/2.2ml;18000rpm/23900×g Rotor 3:18×0.5ml; 16500rpm/17000×g Rotor 4:10×5ml; 16000rpm/ 17420×g Rotor 5:24×1.5/2.2ml; 15000rpm/21532×g Rotor 6:12×10ml; 14000rpm/19640×g Rotor 7:2×8×0.2ml PCR; 13500rpm/13880×g Rotor 8:6×50ml/round bottom; 13000rpm/17940×g Rotor 9:6×50ml/sharp bottom; 12000rpm/15450×g Rotor 10:8×50ml; 11000rpm/13450×g Rotor 11:12×15ml; 10000rpm/9690×g Rotor 12:4×100ml; 10000rpm/9690×g Bucket: 16×10ml; 4200rpm/3100×g Enzyme labelled plate rotor:2×2×48 wells; 4200rpm/1900×g	Angle Rotor 1:12×1.5/2.2ml; 21000rpm/30642×g Angle Rotor 2:16×1.5/2.2ml; 20000rpm/30230×g Angle Rotor 3:18×0.5ml; 18000rpm/20200×g Angle Rotor 4: 10/12×5ml; 18000rpm/20800×g Angle Rotor 5:24×1.5/2.2ml; 16000rpm/23200×g Angle Rotor 6:12×10ml; 15000rpm/23120×g Angle Rotor 7:12×15ml /Sharp bottom; 10000rpm/9690×g Angle Rotor 8:6×50ml/Round bottom; 14000rpm/19885×g Angle Rotor 9:6×50ml/Sharp bottom; 13000rpm/18065×g Angle Rotor 10:2×8×0.2ml PCR Tube; 13500rpm/13880×g Angle Rotor 11:4×8×0.2ml PCR Tube; 13000rpm/13800×g Angle Rotor 12:8×50ml; 12000rpm/16000×g Angle Rotor 13:4×100ml; 11000rpm/13000×g Angle Rotor 14:6×100ml; 10000rpm/11960×g Swing Rotor 1:4×750ml; 4200rpm/3950×g Swing Rotor 2:4×500ml; 4200rpm/3950×g Swing Rotor 3:96×5/7ml; 4200rpm/3950×g Swing Rotor 4:4×250ml; 4200rpm/3850×g Swing Rotor 5:6×250ml; 4200rpm/3850×g Swing Rotor 6:4×50/100ml; 5000rpm/4390×g Swing Rotor 7:8×50/100ml; 4200rpm/3100×g Swing Rotor 8:16×10/15ml; 4200rpm/3100×g Swing Rotor 9:24×10/15ml; 4200rpm/3100×g Swing Rotor 10:32×10/15ml; 4200rpm/3100×g Elisa plate rotor 1:4×2×96 Hole;4200rpm/3910×g Elisa plate rotor 2:2×2×96 Hole; 4200rpm/2530×g Elisa plate rotor 3:2×2×48 Hole; 4200rpm/1900×g

Model	IBHC-4100	IBHC-4300	IBHC-4500	IBHC-4700
Capacity	6×50ml	4×100ml	4×100ml	4×750ml
Max RCF	18360×g	23900×g	26800×g	30642×g
Speed Range	16500 rpm	18500 rpm	20000 rpm	21000 rpm
Noise	? 65dB?A?		< 60dB?A?	? 65dB?A?
Rotor Diameter	250 mm	320 mm	320 mm	420 mm
Revolutions/min	±20 rpm			
Timer	1 to 99 min			
Power Consumption	420 W	500 W	450 W	750 W
Dimension	400×300×330 mm	440×360×330 mm	440×360×330 mm	560×460×400 mm
Packing Dimension	410×310×360 mm	545×430×395 mm	510×460×460 mm	640×530×470 mm
Net Weight	23 kg	28 kg	30 kg	45 kg
Gross Weight	30 kg	35 kg	35 kg	50 kg
Electrical Requirement	AC 220±22V 50/60Hz 5A	AC 220±22V 50Hz 10A		
Catalogue No.	1401550502	1401551002	1401551502	1401552002

Benchtop High Speed Centrifuge IBHC-5000 Series



Benchtop High Speed Centrifuge IBHC-5000 Series small footprint and compact centrifuge of capacity from 6×50ml to 4×750ml with maximum speed ranging 21000 rpm. Designed with lock function, self-diagnostic function, and Automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety. Suitable for clinical medicine, biochemistry, genetic engineering, immunological applications. Features with touch screen with multi-functional knob combination parameters. Available with 15 profiles for acceleration and for deceleration with high efficiency. For safety, we introduced an electronic door lock function and, imbalance detection, over-speed protection, inching function, short-spin function. Storages up to 99 program groups, 99 use records programming space and accommodates angle, swing-out rotor, Elisa plate Rotor, and Enzyme plate; Square Hanging Basket. Suitable for clinical medicine, biochemistry, genetic engineering, immunological applications.

- Available with 15 profile for acceleration and 15 for deceleration, high efficiency
- New high torque frequency conversion driving motor
- Allow automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety
- Electronic door lock, full steel door cover protection, superior to industrial standards and Password lock function
- Microcomputer controlled
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Designed digital 4.3-inch, 7-inch screen with multi-functional knob combination
- Eco friendly with the high-efficiency refrigerating system, able to maintain temperature under 0℃ during maximum RPM
- Centrifugal chamber is constructed with stainless steel
- Designed with air exhaust temperature and low noise compressor
- CFC-free refrigerants, refrigerating/heating double loop
- Small footprint and easy handling
- Store up to 99 program groups, 99 use records and fault records can be traced, using hours & minutes and minutes & seconds two timing options

Rotors

Model	IBHC-5050	IBHC-5150	IBHC-5250	IBHC-5350
Rotor	Angle Rotor 1: 12×5ml; 16500rpm; 15720×g Angle Rotor 2:24×1.5/2.2ml; 15000rpm; 20625×g Angle Rotor 3:4×8×0.2ml PCR; 14000rpm; 14395×g	Angle Rotor 1:12×1.5/2.2ml; 18500rpm; 23110×g Angle Rotor 2:24×1.5/2.2ml; 15000rpm; 20625×g Angle Rotor 3:12×5ml; 16000rpm; 17888×g Angle Rotor 4:12×10ml; 14000rpm; 17635×g Angle Rotor 5:6×50ml(Sharp/Round type);13000rpm; 17760×g Angle Rotor 6:12×15(Sharp type); 12000rpm; 15775×g Angle Rotor 7:4×100ml; 12000rpm; 16175×g Swing out Rotor 8:8×50ml(Sharp type); 4000rpm; 2680×g Elisa plate Rotor 9: 2×2×96 hole; 4000rpm; 2300×g Elisa plate Rotor 10:4×50ml+16×15ml; 4000rpm; 2810×g	Angle Rotor 1:16×1.5/2.2ml; 20000rpm; 30185×g Angle Rotor 2:36×1.5/2.2ml; 14000rpm; 19280×g Angle Rotor 3:12×5ml; 18000rpm; 22640×g Angle Rotor 4:12×15ml(Sharp Type); 12000rpm; 15775×g Angle Rotor 5:6×50ml (Sharp/Round type); 14000rpm; 20598×g Angle Rotor 6:6×100ml; 12000rpm; 17918×g Swing-out rotor With Multi-Pipe 7: 4×50ml; 4×100ml; 8×50ml; 8×100ml; 16×10/15ml; 24×10/15ml; 32×10/15ml; 48×5/7ml(blood Tube);48×5/7ml(blood Tube); 4000rpm; 2810×g Swing out Rotor 8:4×250ml; 4000rpm;3500×g Swing out Rotor 9:2×2×96 hole Elisa Plate; 4000rpm; 1900×g	Angle Rotor 1:12×1.5/2.2ml; 21000rpm; 29780×g Angle Rotor 2:12×5ml; 18000rpm; 22640×g Angle Rotor 3:24×1.5/2.2ml;16000rpm; 23470×g Angle Rotor 4:12×10ml;15000rpm; 20250×g Angle Rotor 5:48×1.5/2.2ml; 14000rpm; 20488×g Angle Rotor 6:4×100ml;14000rpm;22020×g Angle Rotor 7:6×50ml Sharp/round Bottom; 14000rpm; 20598×g Angle Rotor 8:12×15 Sharp bottom; 12000rpm;15775×g Angle Rotor 9:8×8×0.2ml;14000rpm;16434×g Swing-out rotor 10:4×500/750ml; adaptor□28×50ml Sharp Bottom;adaptor□56×15ml Sharp bottom: 4200rpm; 3950×g Swing-out rotor 11:4×2×96 holes Enzyme plate; Square Hanging Basket; 4200rpm; 3910×g

Model	IBHC-5050	IBHC-5150	IBHC-5250	IBHC-5350
Capacity	12×5ml	4×100ml	4×250ml	4×750ml
Max RCF	20625×g	23110×g	30185×g	29780×g
Speed Range	16500 rpm	18500 rpm	20000 rpm	21000 rpm
Noise	?62dB?A?	?60dB?A)		
Rotor Diameter	200 mm	320 mm	380 mm	430 mm
Revolutions/min	±10 rpm			
Timer	1min to 99h, 59min, 59s			
Power Consumption	500 W	550 W	750 W	1200 W
Dimension	335×270×245 mm	515×400×330 mm	540×430×395 mm	560×460×390 mm
Packing Dimension	412×347×332 mm	570×450×390 mm	627×502×442 mm	637×537×484 mm
Net Weight	15 kg	35 kg	45 kg	58 kg
Electrical Requirement	AC 220±22V 50Hz 15A			
Catalogue No.	1401600502	1401601002	1401601502	1401602002



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