Benchtop High Speed Centrifuge IBHC-4500



Benchtop High Speed Centrifuge IBHC-4500 small 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 labelled plate rotor for 2×2×48 wells, Bucket, and PCR tubes.

Applications:

1. Ethanol precipitated nucleic acid PCR experiment, phenol chloroform extraction from virus and bacteria samples.
2. Cell homogenization followed by fractioning centrifuge.
3. 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

Technical Specification:

Model	IBHC-4500
Speed Range (rpm)	20000 rpm
Max RCF	26800×g
Capacity	4×100ml
Timer	1 to 99 min
External Dimemsions (HxLxW) mm	440×360×330 mm
Net Weight (kg)	30 kg
Gross Weight (kg)	35 kg
Shipping Dimensions (HxLxW) mm	510×460×460 mm
Power	450 W
Electrical Requirements	AC 220±22V 50/60Hz 10A
Catalogue No.	1401551502

Technical Data:

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



Iris Analytical Ltd.

66 W Flagler St #900 Miami, Florida 33130 United States