

Centrifuge



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High Speed Benchtop Centrifuge



Intelligent control system

- With five groups of optional programs and can store 99 program groups.
- Electric lid lock.
- Long press the start/short- time key to realize instantaneous centrifugation.
- Up to 10 level acceleration/deceleration with Linear drive.



Excellent kernel performance

- HD large LCD Touch Panel and the parameters can be revised during operation without shutdown.
- Microcomputer control, AC frequency conversion brush- less motor with fast speed and stable operation.
- Two modes can be set: start timing/arrival revolution timing.



Careful and safe

- With rotor automatic identification system.
- Over speed, over heat, unbalance etc protections.
- Steel Structure, centrifuge chamber made of stainless steel with environmentally friendly anti-corrosion coating treatment.



Intimate detail design

- An intimate tool rack is provided for accompanying tools to guard the instrument at all times.
- The front of the fuselage is designed with an operation SOP guide map, which makes it easier and more standard for laboratory personnel to use the instrument.
- It is equipped with a rotor cover that can be quickly locked for easy use.
- Ergonomic, low opening height, close the centrifuge cover with one press.
- Special noise reduction system.

Rotoh 160 High Speed Benchtop Centrifuge



01 Technical Parameters

Model	Rotoh 160
Max Speed	16000rpm
Max RCF	27375×g
Max Capacity	4×1000ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 10A
Power	1.2KW
Noise Level	≤65dB(A)
Size	525×650×415(mm)
Net Weight	90kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	48×1.5/2.0 ml(Double row)	20000	27113
2	30×1.5/2.0 ml(Single row)	18500	32868
3	18×5 ml(Single row)	14000	19940
4	8×50ml in common	14000	15032
5	6×100 ml	13000	18327
6	12×50ml in common	13000	15228
7	6×250ml	13000	19059
Swing-out Rotor			
8	4×1000ml Square bucket	4000	3613
Adapter	4×1000ml Square bucket (with biosafety lid)	4000	3613
	Micro-plate bucket 4×2×96 hole	4×500ml(Sharp bottom)	
	4×10×50ml (Sharp/round bottom)	4×250ml(Sharp bottom)	
	4×24×15ml (Sharp/round bottom)	8×250ml(Round bottom)	
	4×750ml(Round bottom)	140×10ml(Blood collection tube)	
	4×500ml(Round bottom)	196×2-7ml (Blood collection tube)	

Rotoh 166 High Speed Benchtop Centrifuge

01 Technical Parameters



Model	Rotoh 166
Max Speed	16500rpm
Max RCF	21615×g
Max Capacity	12×5ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 10A
Power	350W
Noise Level	≤62dB(A)
Size	270×390×240(mm)
Net Weight	21kg
Rotor automatic identification	No

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
1	16×1.5/2.0 ml	16500	20880
2	12×5ml	16000	17344
3	24×1.5/2.0 ml	15000	21615
4	4×8×0.2 PCR tube	15000	14866
5	8×8×0.2 PCR tube	14000	15032
6	Capillary tube rotor	1200	13845

Rotoh 168 High Speed Benchtop Centrifuge

01 Technical Parameters



Model	Rotoh 168
Max Speed	16500rpm
Max RCF	26145×g
Max Capacity	6×50ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 10A
Power	500W
Noise Level	≤62dB(A)
Size	360×490×335(mm)
Net Weight	37kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
1	24×1.5/2.0 ml	16500	26145
2	12×5ml	16000	17344
3	32×1.5/2.0 ml	14000	19940
4	8×8×0.2 PCR tube	14000	15032
5	6×30ml Round bottom	13500	17482
6	12×10ml	13000	15228
7	48×1.5/2.0 ml	13000	18327
8	6×50ml in common	12000	16227

Rotoh 1814 High Speed Benchtop Centrifuge



01 Technical Parameters

Model	Rotoh 1814
Max Speed	20000rpm
Max RCF	32868×g
Max Capacity	4×100ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 10A
Power	750W
Noise Level	≤62dB(A)
Size	360×490×335(mm)
Net Weight	37kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×5ml	20000	27113
2	24×1.5/2.0 ml	18500	32868
3	32×1.5/2.0 ml	14000	19940
4	8×8×0.2 PCR tube	14000	15032
5	48×1.5/2.0 ml	13000	18327
6	12×10ml	13000	15228
7	6×50ml in common	13000	19059
8	12×15ml sharp bottom	12000	16340
9	4×100ml	12000	16306
Swing-out Rotor			
10	(High speed) swing-out rotor	13000	16816
	24×1.5/2.0 ml		
11	4×100ml	4500	3395
12	2×2×96 plate	4000	2057
13	8×50ml	4000	2680
	sharp bottom/round plate		

Rotoh 1815 High Speed Benchtop Centrifuge

01 Technical Parameters



Model	Rotoh 1815
Max Speed	18500rpm
Max RCF	23797×g
Max Capacity	6×100ml
Timer	1min~99h59min 1s~99min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 10A
Power	700W
Noise Level	≤65dB(A)
Size	380×505×360(mm)
Net Weight	36kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	24×1.5/2.0 ml	15000	21532
2	12×5 ml	15000	15840
3	12×10 ml	13000	17370
4	6×50 ml	13000	17947
5	6×50 ml(Sharp bottom)	12000	15292
	6×50 ml(sufficient quantity)	12000	15292
6	4×100ml	10000	10744
7	30×1.5/2.0 ml	14000	22140
8	48×1.5/2.0 ml	13000	18525
9	6×8×0.2 PCR tube	13000	16020
10	8×15 ml(Sharp bottom)	12000	15364
11	12×1.5/2.2 ml	18500	23797
12	6×100ml	10000	11960
13	8×50 ml(Sharp bottom)	11000	14100
14	6×50 ml Carbon fiber	12500	16980
Swing-out Rotor			
15	4×100ml	5000	3773
16	2×2×96 hole Micro-plate	4000	2200

Rotoh 188U High Speed Benchtop Centrifuge



01 Technical Parameters

Model	Rotoh 188U
Max Speed	18500rpm
Max RCF	23110×g
Max Capacity	4×100ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 15A
Power	550W
Noise Level	≤60dB(A)
Size	500×400×340(mm)
Net Weight	44kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×1.5/2.0 ml	18500	23110
2	24×1.5/2.0 ml	15000	20625
3	12×5 ml	16000	17888
4	12×10 ml	14000	17635
5	6×50ml in common	13000	17760
6	12×15 ml(Sharp bottom)	12000	15775
7	4×100ml	12000	16175
Swing-out Rotor			
8	2×2×96 hole Micro-plate	4200	2285

Rotoh 2017 High Speed Benchtop Centrifuge



01 Technical Parameters

Model	Rotoh 2017
Max Speed	20000rpm
Max RCF	$38427 \times g$
Max Capacity	$4 \times 250\text{ml}$
Timer	1s~99h59min59s
Revolutions/min	$\pm 10\text{r/min}$
Voltage	AC220 $\pm$ 22V 50Hz 10A
Power	750W
Noise Level	$\leq 62\text{dB(A)}$
Size	430 $\times$ 540 $\times$ 390(mm)
Net Weight	51kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF($\times g$)
Angle Rotor			
1	24 $\times$ 1.5/2.0 ml (D)	20000	38427
2	12 $\times$ 5 ml	18000	21962
3	12 $\times$ 10 ml	14000	17660
4	32 $\times$ 1.5/2.0 ml	14000	19940
5	48 $\times$ 1.5/2.0 ml	14000	21255
6	6 $\times$ 50 ml in common	13500	20553
7	12 $\times$ 15 ml (Sharp bottom)	12000	16340
8	4 $\times$ 100ml	12000	16306
9	6 $\times$ 100ml	11000	14757
10	8 $\times$ 50 ml in common	11000	12783
11	High speed swing-out rotor 60 $\times$ 1.5 ml	14000	16400
12	40 $\times$ 15 ml (bowl type)	5000	4191
Swing-out Rotor			
13	4 $\times$ 100ml	4500	3848
14	4 $\times$ 250ml (round cup)	4200	3352
	4 $\times$ 250ml (square cup)	4200	3352
	Include adapter: 4 $\times$ 4 $\times$ 50ml (sharp bottom)		
	4 $\times$ 10 $\times$ 15ml (sharp bottom)		
15	2 $\times$ 2 $\times$ 96 hole Micro-plate	4200	2267

Rotoh 209U High Speed Benchtop Centrifuge

01 Technical Parameters



Model	Rotoh 209U
Max Speed	20500rpm
Max RCF	31785×g
Max Capacity	4×250ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 15A
Power	750W
Noise Level	≤60dB(A)
Size	520×430×390(mm)
Net Weight	47kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	16×1.5/2.0ml	20500	31785
2	12×5 ml	18000	22640
3	12×10 ml	14000	19640
4	36×1.5/2.0ml	14000	19280
5	6×50ml in common	14000	20598
	Include adapter:		
	6×15ml (sharp bottom)		
6	12×15ml (Sharp bottom)	12000	15775
7	6×100ml	12000	17198
Swing-out Rotor			
8	4 x 250 ml	4200	3850
	Include adapter:		
	4×2×50ml (sharp bottom)		
	4×4×15ml (sharp bottom)		
9	4 x 250ml (with biosafety lid)	4200	3850
10	2×2×96 Micro-plate	4200	2530

Rotoh 2112U High Speed Benchtop Centrifuge



01 Technical Parameters

Model	Rotoh 2112U
Max Speed	21000rpm
Max RCF	29780×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 20A
Power	1200W
Noise Level	≤60dB(A)
Size	550×460×400(mm)
Net Weight	59kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×1.5/2.0ml	21000	29780
2	12×5 ml	18000	22640
3	24×1.5/2.0ml	16000	23470
4	12×10 ml	15000	20250
5	48×1.5/2.0ml	14000	20488
6	4×100ml	14000	22020
7	6×50ml in common	14000	20598
8	12×15ml (Sharp bottom)	12000	15775
9	8×8×0.2ml PCR tube	14000	16434
Swing-out Rotor			
10	4 x 250 ml	4200	3850
	4 x 250ml (with biosafety lid)	4200	3850
	4 x 250ml (Sharp bottom)	4200	3850
11	4 x 500 ml	4200	3950
	4 x 500ml (with biosafety lid)	4200	3950
	4 x 500ml (Sharp bottom)	4200	3950
	4 x 750ml (with biosafety lid)	4200	3950
	4 x 500 ml Square bucket	4200	3950
12	2×2×96 Micro-plate	4200	3910
	4×2×96 Micro-plate	4200	3910

Rotoh 2117 High Speed Benchtop Centrifuge



01 Technical Parameters

Model	Rotoh 2117
Max Speed	21000rpm
Max RCF	38427×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50Hz 10A
Power	1000W
Noise Level	≤62dB(A)
Size	465×580×400(mm)
Net Weight	62kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×5 ml	21000	29892
2	24×1.5/2.0ml (D)	20000	38427
3	12×10 ml	15000	20274
4	48×1.5/2.0ml	15000	24060
5	6×50ml in common	14000	22014
6	4×100ml	14000	22195
7	8×8×0.2ml PCR tube	14000	15032
8	12×15ml (Sharp bottom)	14000	22241
9	8×50ml in common	12000	15213
10	6×100ml	12000	17548

Swing-out Rotor			
11	4 x 250 ml	4200	3352
	4 x 250ml (with biosafety lid)	4200	3352
	4 × 250ml (square cup)	4200	3352
	Include adapter:		
	4 × 4 × 50ml (sharp bottom)		
	4 × 10 × 15ml (sharp bottom)	4200	3352
	Automatic cap removal 2~7ml × 64 tubes (Vacuum Blood Collection Tubes)		
12	Automatic cap removal 2~7ml × 104 tubes (Vacuum Blood Collection Tubes)	4200	3510
	4 x 500ml		
	4 x 500ml (with biosafety lid)	4200	3510
	4 x 500 ml Square cup	4200	3510
	4 x 750ml	4200	3648
13	4 x 750 ml Square cup	4200	3648
14	4 × 750ml	4200	3776
	Include adapter:		
	4 × 7 × 50ml (sharp bottom)		
	4 × 14 × 15ml (sharp bottom)	4200	3776
	4 × 2 × 96 Micro-plate		
	Automatic cap removal 2~7ml × 120 tubes (Vacuum Blood Collection Tubes)	4200	3776
	500ml For blood bags (Include blood bag adapter)		
	2 × 2 × 96 Micro-plate	4200	2267
15			

High Speed Benchtop Centrifuge



Intelligent control system

- Automatically calculate RCF, RPM and RCF switching freely.
- Can store 99 groups of program and with shortcut key.
- Up to 10 level acceleration/deceleration with Linear drive.
- With 5 groups of user- defined preset programs that can be called by 1key.
- Long press the start/instantaneous key to realize instantaneous centrifugation.



Excellent kernel performance

- Two modes can be set: start timing/arrival revolution timing.
- Imported energy- efficient ECO friendly refrigeration system.
- Microcomputer control with HD large LCD touch screen, driven by AC frequency conversion brush- less motor.



Careful and safe

- Full steel inner cavity protective cover.
- Over speed, over heat, unbalance etc protections and ensure safe operation.



Intimate detail design

- With accompanying professional tools.
- The front of the fuselage is designed with an operation SOP guide map, which makes it easier and more standard for laboratory personnel to use the instrument.
- Equipped with rotor lid that can be quickly locked.
- Ergonomic, low opening height, close the centrifuge lid with 1 time press.
- Special noise reduction system.

Rotoh 160R High Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	Rotoh 160R
Max Speed	16000rpm
Max RCF	27375×g
Max Capacity	4×1000ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 10A
Power	2300W
Noise Level	≤65dB(A)
Size	770×750×480(mm)
Net Weight	132kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	48×1.5/2.0ml(Double row)	16000	27375
2	30×1.5/2.0ml(Single row)	15500	26859
3	8×15ml(Single row)	15000	22010
4	8×50ml in common	12000	15213
5	6×100ml	12500	18550
6	12×50ml in common	10000	15383
7	6×250ml	10000	15093
Swing-out Rotor			
8	4×1000ml Square bucket	4200	3983
	4×1000ml Square bucket (with biosafety lid)	4200	3983
Adapter	Micro-plate bucket	4×500ml(Sharp bottom)	
	4×2×96 hole		
	4×10×50ml (Sharp/round bottom)	4×250ml(Sharp bottom)	
	4×24×15ml (Sharp/round bottom)	8×250ml(Round bottom)	
	4×750ml(Flat bottom)	140×10ml(Blood collection tube)	
	4×500ml(Flat bottom)	196×2-7ml (Blood collection tube)	

Rotoh 166R High Speed Benchtop Refrigerated Centrifuge

01 Technical Parameters



Model	Rotoh 166R
Max Speed	16500rpm
Max RCF	21615×g
Max Capacity	12×5ml
Timer	1s~99h59min59s
Revolutions/min	± 10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 10A
Power	550W
Noise Level	≤60dB(A)
Size	315×475×310(mm)
Net Weight	21kg
Rotor automatic identification	No

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
1	16×1.5/2.0 ml	16500	20880
2	12×5ml	16000	17344
3	24×1.5/2.0 ml	15000	21615
4	4×8×0.2 PCR tube	15000	14866
5	8×8×0.2 PCR tube	14000	15032
6	Capillary tube rotor	1200	13845

Rotoh 168R High Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	Rotoh 168R
Max Speed	16500rpm
Max RCF	26145×g
Max Capacity	6×50ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 10A
Power	800W
Noise Level	≤60dB(A)
Size	610×560×370(mm)
Net Weight	73kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
1	24×1.5/2.0 ml	16500	26145
2	12×5ml	16000	17344
3	32×1.5/2.0 ml	14000	19940
4	8×8×0.2 PCR tube	14000	15032
5	6×30ml Round bottom	13500	17482
6	12×10ml	13000	15228
7	48×1.5/2.0 ml	13000	18327
8	6×50ml in common	12000	16227

Rotoh 1814R High Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	Rotoh 1814R
Max Speed	20000rpm
Max RCF	32868 × g
Max Capacity	4 × 100ml
Timer	1s~99h59min59s
Revolutions/min	± 10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 10A
Power	1200W
Noise Level	≤60dB(A)
Size	610×560×370(mm)
Net Weight	73kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12 × 5ml	20000	27113
2	24 × 1.5/2.0 ml	18500	32868
3	32 × 1.5/2.0 ml	14000	19940
4	8 × 8 × 0.2 PCR tube	14000	15032
5	48 × 1.5/2.0 ml	13000	18327
6	12 × 10ml	13000	15228
7	6 × 50ml in common	13000	19059
8	12 × 15ml sharp bottom	12000	16340
9	4 × 100ml	12000	16306
Swing-out Rotor			
10	(High speed) swing-out rotor	13000	16816
	24 × 1.5/2.0 ml		
11	4 × 100ml	4500	3395
12	2 × 2 × 96 plate	4000	2057
13	8 × 50ml	4000	2680
	sharp bottom/round plate		

Rotoh 188RU High Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	Rotoh 188RU
Max Speed	18500rpm
Max RCF	23110×g
Max Capacity	4×100ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 15A
Power	1000W
Noise Level	≤60dB(A)
Size	610×560×360(mm)
Net Weight	75kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×1.5/2.0 ml	18500	23110
2	24×1.5/2.0 ml	15000	20625
3	12×5 ml	16000	17888
4	12×10 ml	14000	17635
5	6×50ml in common	13000	17760
6	12×15 ml(Sharp bottom)	12000	15775
7	4×100ml	12000	16175
Swing-out Rotor			
8	2×2×96 hole Micro-plate	4200	2285

Rotoh 2017R High Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	Rotoh 2017R
Max Speed	20000rpm
Max RCF	38427×g
Max Capacity	4×250ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 10A
Power	1200W
Noise Level	≤60dB(A)
Size	680×660×400(mm)
Net Weight	120kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	24×1.5/2.0 ml (D)	20000	38427
2	12×5 ml	18000	21962
3	32×1.5/2.0 ml	16000	26044
4	12×10 ml	15000	20274
5	48×1.5/2.0 ml	15000	24060
6	12×15 ml (Sharp bottom)	14000	22241
7	6×50 ml in common	14000	22014
8	4×100ml	13000	19083
9	6×100ml	12000	17548
10	8×50 ml in common	11000	12783
11	High speed swing-out rotor 60×1.5 ml	15000	18826
12	40×15 ml (bowl type)	5000	4191
Swing-out Rotor			
13	4×100ml	5000	4751
14	4×250ml (round cup)	4200	3352
	4×250ml (square cup)	4200	3352
	Include adapter: 4×4×50ml (sharp bottom)		
	4×10×15ml (sharp bottom)		
15	2×2×96 hole Micro-plate	4200	2267

Rotoh 2117R High Speed Benchtop Refrigerated Centrifuge

01 Technical Parameters



Model	Rotoh 2117R
Max Speed	21000rpm
Max RCF	38427×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 20A
Power	1500W
Noise Level	≤60dB(A)
Size	730×660×400(mm)
Net Weight	125kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×5 ml	21000	29892
2	24×1.5/2.0ml (D)	20000	38427
3	12×10 ml	16000	23068
4	48×1.5/2.0ml	16000	27375
5	6×50ml in common	15000	25375
6	4×100ml	14000	22195
7	12×15ml (Sharp bottom)	14000	22241
8	8×8×0.2ml PCR tube	14000	15032
9	8×50ml in common	12000	15213
10	6×100ml	12500	18550

Swing-out Rotor			
11	4 x 250 ml	4200	3352
	4 x 250ml (with biosafety lid)	4200	3352
	4 × 250ml (square cup)	4200	3352
	Include adapter:		
	4 × 4 × 50ml (sharp bottom)		
	4 × 10 × 15ml (sharp bottom)	4200	3352
	Automatic cap removal 2~7ml × 64 tubes (Vacuum Blood Collection Tubes)		
12	Automatic cap removal 2~7ml × 104 tubes (Vacuum Blood Collection Tubes)	4200	3510
	4 x 500ml	4200	3510
	4 x 500ml (with biosafety lid)	4200	3510
	4 x 500 ml Square cup	4200	3510
13	4 x 750ml	4200	3648
	4 x 750 ml Square cup	4200	3648
14	4 × 750ml	4500	4335
	Include adapter:		
	4 × 7 × 50ml (sharp bottom)		
	4 × 14 × 15ml (sharp bottom)	4500	4335
	4 × 2 × 96 Micro-plate		
	Automatic cap removal 2~7ml × 120 tubes (Vacuum Blood Collection Tubes)	4500	4335
	500ml For blood bags (Include blood bag adapter)	4500	4335
15	2 × 2 × 96 Micro-plate (Enhanced Edition)	6500	5495

Rotoh 253R High Speed Benchtop Refrigerated Centrifuge

01 Technical Parameters



Model	Rotoh 253R
Max Speed	25000rpm
Max RCF	50803×g
Max Capacity	6×100ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 15A
Power	1500W
Noise Level	≤62dB(A)
Size	730×660×400(mm)
Net Weight	125kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×1.5/2.0 ml(titanium alloy)	25000	44720
2	24×1.5/2.0 ml(D)	23000	50803
3	12×5 ml	20000	27113
4	12×10 ml	19000	32529
5	48×1.5/2.0 ml(D)	19000	39149
6	6×50ml(Round bottom)	16500	27622
7	8×50ml(Round bottom)	16000	28549
8	6×50ml in common	15000	25375
9	12×15 ml(Sharp bottom)	14000	22241
10	6×100ml	13500	22209

Rotoh 2114R High Speed Benchtop Refrigerated Centrifuge

01 Technical Parameters

Model	Rotoh 2114R
Max Speed	21000rpm
Max RCF	32752×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 15A
Power	1600W
Noise Level	≤56dB(A)
Size	713×681×398(mm)
Net Weight	95kg
Rotor automatic identification	Yes



02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×1.5/2.2 ml	21000	30642
2	12×15 ml(Sharp bottom)	14000	21913
3	12×10 ml	15000	23120
	6×30ml	15000	23120
4	6×50ml(Round bottom)	13500	19354
5	6×50ml(Sharp bottom)	13000	17947
6	12×5 ml	16500	19166
7	30×1.5/2.2 ml	16000	28918
8	48×1.5/2.2 ml	15000	24663
9	6×100ml	10000	11960
10	24×1.5/2.2ml	18500	32752
11	8×50ml(Sharp bottom)	11000	14100
Swing-out Rotor			
12	4×500ml(Round cup)	4000	3345
	4×500ml(Airtight cup)	4000	3345
	4×500ml(Square bucket)	4000	3345
13	4×750ml(Round cup)	4000	3500
	4×750ml(Airtight cup)	4000	3500
	4×750ml(Square bucket)	4000	3500
	4×2×96 deep-holes or	4000	3500
	4×4×96 shallow-holes		
14	8×50ml	4000	3290

Rotoh 1714R High Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	Rotoh 1714R
Max Speed	18500rpm
Max RCF	31006×g
Max Capacity	6×100ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 15A
Power	1000W
Noise Level	≤58dB(A)
Size	380×660×320(mm)
Net Weight	62kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	24×1.5/2.0 ml	17500	29302
2	12×5 ml	17500	20345
3	12×10 ml	15000	23120
4	6×50ml(Round bottom)	13000	17947
5	6×50ml(Sharp bottom)	12500	16593
6	4×100ml	12500	16593
7	30×1.5/2.2 ml	14000	22140
8	48×1.5/2.2 ml	13000	18525
9	6×8×0.2ml PCR tube	13000	18525
10	24 Capillary rotor	13000	17369
11	24×1.5/2.2ml(horizontal)	13000	16816
12	8×15ml (Sharp bottom)	12000	13200
Swing-out Rotor			
13	4×100ml(Round cup)	5000	3773
14	2×2×96 holes	4000	2200
15	12×1.5/2.2ml(Angle rotor)	18500	23797

Rotoh 300R High Speed Benchtop Refrigerated Centrifuge

01 Technical Parameters



Model	Rotoh 300R
Max Speed	30000rpm
Max RCF	65100×g
Max Capacity	6×100ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 15A
Power	1500W
Noise Level	≤62dB(A)
Size	730×660×400(mm)
Net Weight	125kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×1.5/2.0 ml(titanium alloy)	30000	65100
2	10×5 ml(titanium alloy)	25000	44978
3	24×1.5/2.0 ml(D)	20000	38427
4	12×10 ml	19000	32529
5	48×1.5/2.0 ml(D)	19000	39149
6	6×50ml(Round bottom)	16500	27622
7	8×50ml(Round bottom)	16000	28549
8	6×50ml in common	15000	25375
9	12×15 ml	14000	22241
10	6×100ml	13500	22209

Low Speed Benchtop Centrifuge



Intelligent control system

- Five groups of programs with humanized design.
- Program group shortcut key, can store 99 groups of program, convenient to call at any time.
- Automatic electronic door lock.
- With instantaneous and continuous centrifugation functions.



Excellent kernel performance

- HD large LCD touch screen, and the parameters can be revised during operation without shutdown.
- Microcomputer control, AC frequency conversion brushless motor with fast speed and stable operation.
- 10 gears acceleration/deceleration with linear drive.
- Two modes can be set: start timing/arrival revolution timing.



Careful and safe

- With rotor automatic identification system.
- Over speed, over heat, unbalance etc protections with auto lid lock.
- Steel Structure, centrifuge chamber made of stainless steel with Environmentally friendly anti-corrosion coating treatment.



Intimate detail design

- Special noise reduction system.
 - An intimate tool rack is provided for accompanying tools to guard the instrument at all times.
 - With an operation SOP guide map, which makes it easier and more standard for laboratory workers.
- Equipped with rotor lid that can be quickly locked for easy use.

RotoL 44 Low Speed Benchtop Centrifuge

01 Technical Parameters

Model	RotoL 44
Max Speed	4000rpm
Max RCF	1980×g
Max Capacity	8×15ml
Timer	1min~99min
Revolutions/min	±30r/min
Voltage	AC220±22V 50/60Hz 2A
Power	100W
Noise Level	≤62dB(A)
Size	265×305×205(mm)
Net Weight	7.5kg
Rotor automatic identification	No



02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	8×15ml	4000	1980

RotoL 53 Low Speed Benchtop Centrifuge



01 Technical Parameters

Model	RotoL 53
Max Speed	5000rpm
Max RCF	5013×g
Max Capacity	6×50ml
Timer	1s~99min
Revolutions/min	±10r/min
Voltage	AC220±22V 50/60Hz 10A
Power	150W
Noise Level	≤62dB(A)
Size	320×420×270(mm)
Net Weight	20kg
Rotor automatic identification	No

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×15ml(bow type)	5000	2934
2	6×50ml(bow type)	5000	3013
3	12×20ml	4000	2250
4	24×10ml	4000	2250

RotoL 58 Low Speed Benchtop Centrifuge



01 Technical Parameters

Model	RotoL 58
Max Speed	5500rpm
Max RCF	5071×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50/60Hz 10A
Power	1000W
Noise Level	≤62dB(A)
Size	465×580×400(mm)
Net Weight	62kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	40×15ml(bow type)	5500	5071
2	6×50ml(bow type)	5500	3645
Swing-out Rotor			
3	120×2~7ml(Vacuum Blood Collection Tubes)	4000	3309
	4×750ml (Round cup)	4000	3309
	4×750ml (Square cup)	4000	3309
4	104×2~7ml(Vacuum Blood Collection Tubes)	4000	3184
	4×500ml (Round cup)	4000	3184
	4×500ml (Round cup)	4000	3184
	With biosafety lid		
	4×500ml (Square cup)	4000	3184
	4×500ml (Sharp bottom)	4000	3184

5	64×2~7ml(Vacuum Blood Collection Tubes)	4000	3040
	4×250ml (Round cup)	4000	3040
	4×250ml (Round cup)	4000	3040
	With biosafety lid		
	4×250ml (Square cup)	4000	3040
	Include adapter:		
	4×4×50ml (sharp bottom)		
	4×10×15ml (sharp bottom)		
	4×250ml (Sharp bottom)	4000	3040
	6×250ml (Round cup)	4000	3040
6	4×750ml (Round cup)	4000	3425
	Include adapter:		
	4×7×50ml (sharp bottom)		
	4×14×15ml (sharp bottom)		
	4×2×96 Micro-plate holes	4000	3425
	120×2~7ml(Vacuum Blood Collection Tubes)	4000	3425
	500ml For blood bags (Include blood bag adapter)	4000	3425
7	2×2×96 Micro-plate hole	4000	2057

RotoL 63 Low Speed Benchtop Centrifuge



01 Technical Parameters

Model	RotoL 63
Max Speed	6000rpm
Max RCF	4338×g
Max Capacity	4×100ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50/60Hz 10A
Power	300W
Noise Level	≤62dB(A)
Size	360×500×325(mm)
Net Weight	31kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	12×15ml(bow type)	6000	4226
2	6×50ml(bow type)	5500	4338
Swing-out Rotor			
3	4×50ml	4200	2760
4	4×100ml	4200	2760
5	16×15ml	4200	2760
6	24×10ml	4200	2760

RotoL 65 Low Speed Benchtop Centrifuge



01 Technical Parameters

Model	RotoL 65
Max Speed	6500rpm
Max RCF	5091 × g
Max Capacity	4 × 250ml
Timer	1s~99h59min59s
Revolutions/min	± 10r/min
Voltage	AC220 ± 22V 50/60Hz 10A
Power	550W
Noise Level	≤ 62dB(A)
Size	445 × 575 × 365(mm)
Net Weight	52kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	6×50ml(bow type)	6500	5091
2	40×15ml(bow type)	5000	4191
Swing-out Rotor			
3	4 × 50ml	4200	3254
	4 × 100ml	4200	3254
	8 × 50ml	4200	3254
	8 × 100ml	4200	3254
	16 × 10/15ml	4200	3254
	24 × 10/15ml	4200	3254
	32 × 10/15ml	4200	3254
	48 × 2~7ml(Vacuum Blood Collection Tubes)	4200	3254
	64 × 5ml(Vacuum Blood Collection Tubes)	4200	3254
4	4 × 250ml (Round cup)	4200	3352
	4 × 250ml (Round cup)	4200	3352
	with biosafety lid		
	Automatic cap removal 2~7ml × 64 tubes(Vacuum Blood Collection Tubes)	4200	3352
	4 × 250ml (Square cup)	4200	3352
	Include adapter:		
	4 × 4 × 50ml (sharp bottom)		
	4 × 10 × 15ml (sharp bottom)		
5	2 × 2 × 96 Micro-plate hole	4200	2267

RotoL 68 Low Speed Benchtop Centrifuge



01 Technical Parameters

Model	RotoL 68
Max Speed	6500rpm
Max RCF	5091×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50/60Hz 10A
Power	1000W
Noise Level	≤62dB(A)
Size	495×625×420(mm)
Net Weight	70kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	6×50ml	6500	5190
2	12×10ml	6500	5190
3	12×15ml	6500	6330

Swing-out Rotor

4	4 × 250ml	4200	3850
	4 × 250ml	4200	3850
	with biosafety lid		
	4 × 250ml (sharp bottom)	4200	3850
	6 × 250ml	4200	3850
	Automatic cap removal 2~7ml × 72 tubes(Vacuum Blood Collection Tubes)	4200	3850
	72 × 2~7ml(Vacuum Blood Collection Tubes)	4200	3850
	Automatic cap removal 2~7ml × 100 tubes(Vacuum Blood Collection Tubes)	4200	3850
	100 × 2~7ml(Vacuum Blood Collection Tubes)	4200	3850
	120 × 2~7ml(Vacuum Blood Collection Tubes)	4200	3850
5	4 × 500ml	4200	3950
	4 × 500ml	4200	3950
	with biosafety lid		
	4 × 500ml (sharp bottom)		3950
	4 × 750ml	4200	3950
	4 × 750ml	4200	3950
	with biosafety lid		
6	4 × 500ml (Square cup)	4200	3910
	4 × 2 × 96 Micro-plate hole	4200	3910

Rotoh 66U Low Speed Benchtop Centrifuge



01 Technical Parameters

Model	RotoL 66U
Max Speed	6500rpm
Max RCF	6330×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Voltage	AC220±22V 50/60Hz 15A
Power	750W
Noise Level	≤60dB(A)
Size	550×460×400(mm)
Net Weight	59kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	6×50ml	6500	5190
2	12×10ml	6500	5190
3	12×15ml	6500	6330
Swing-out Rotor			
4	4×250ml	4200	3850
	4×250ml	4200	3850
	with biosafety lid		
	4×250ml (sharp bottom)	4200	3850
	6×250ml	4200	3850
	Automatic cap removal 2~7ml×72 tubes(Vacuum Blood Collection Tubes)	4200	3850
	72×2~7ml(Vacuum Blood Collection Tubes)	4200	3850
	Automatic cap removal 2~7ml×100 tubes(Vacuum Blood Collection Tubes)	4200	3850
	100×2~7ml(Vacuum Blood Collection Tubes)	4200	3850
	120×2~7ml(Vacuum Blood Collection Tubes)	4200	3850
5	4×500ml	4200	3950
	4×500ml	4200	3950
	with biosafety lid		
	4×500ml (sharp bottom)		3950
	4×750ml	4200	3950
	4×750ml	4200	3950
6	with biosafety lid		
	4×500ml (Square cup)	4200	3910
	4×2×96 Micro-plate hole	4200	3910

Low Speed Benchtop Refrigerated Centrifuge



Intelligent control system

- Equipped with five groups of programs and can store 99 groups of program.
- Automatic electronic door lock.
- One key short- time centrifuge button.



Excellent kernel performance

- HD large LCD touch screen, and the parameters can be revised during operation without shutdown.
- Microcomputer control, AC frequency conversion brush- less motor with fast speed and stable operation.
- 10 gears acceleration/deceleration with linear drive.
- Two modes can be set: start timing/arrival revolution timing.



Careful and safe

- With rotor automatic identification system.
- Over speed, over heat, unbalance ect protections with auto lid lock.
- Steel Structure, centrifuge chamber made of stainless steel with Environmentally friendly anti-corrosion coating treatment.



Intimate detail design

- Special noise reduction system.
- An intimate tool rack is provided for accompanying tools to guard the instrument at all times.
- The front of the fuselage is designed with an operation SOP guide map, which makes it easier and more standard for laboratory personnel to use the instrument.
- It is equipped with a rotor cover that can be quickly locked for easy use.

RotoL 54R Low Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	RotoL 54R
Max Speed	5300rpm
Max RCF	5010×g
Max Capacity	4×250ml
Timer	1min~99min
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50/60Hz
Power	1200W
Noise Level	≤60dB(A)
Size	470×730×380(mm)
Net Weight	70kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Swing-out Rotor			
1	4×100ml	5300	5010
2	4×200ml	4500	3560
	4×2×50ml	4500	3560
	4×2×100ml	4500	3560
	4×8×15ml	4500	3560
3	2×2×96 Micro-plate hole	4000	2200
4	4×250ml (Round cup)	4500	4080
	4×250ml (Square cup)	4500	4080

RotoL 55R Low Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	RotoL 55R
Max Speed	5500rpm
Max RCF	4675×g
Max Capacity	4×250ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 10A
Power	1000W
Noise Level	≤60dB(A)
Size	680×660×400(mm)
Net Weight	90kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	6×50ml(bowl type)	5500	3645
2	24×15ml(bowl type)	5500	4675
3	40×15ml(bowl type)	5000	4191
Swing-out Rotor			
4	4×50ml	4000	2951
	4×100ml	4000	2951
	8×50ml	4000	2951
	8×100ml	4000	2951
	16×10/15ml	4000	2951
	24×10/15ml	4000	2951
	32×10/15ml	4000	2951
	48×2~7ml(Vacuum Blood Collection Tubes)	4000	2951
5	64×5ml(Vacuum Blood Collection Tubes)	4000	2951
	4×250ml (Round cup)	4000	3040
	4×250ml with biosafety lid	4000	3040
	Automatic cap removal 2~7ml×64 tubes(Vacuum Blood Collection Tubes)	4000	3040
	4×250ml (Square cup)	4000	3040
	Include adapter:		
	4×4×50ml (sharp bottom)		
6	4×10×15ml (sharp bottom)	4000	2057
	2×2×96 Micro-plate hole		

RotoL 58R Low Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	RotoL 58R
Max Speed	5500rpm
Max RCF	5952×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 15A
Power	1500W
Noise Level	≤60dB(A)
Size	730×660×400(mm)
Net Weight	125kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	40×15ml(bowl type)	5500	5071
2	6×50ml(bowl type)	5500	3645
Swing-out Rotor			
3	Automatic cap removal 2~7ml×120 tubes(Vacuum Blood Collection Tubes)	4000	3309
	4×750ml(Round cup)	4000	3309
	4×750ml(Square cup)	4000	3309
4	Automatic cap removal 2~7ml×104 tubes(Vacuum Blood Collection Tubes)	4000	3184
	4×500ml(Round cup)	4000	3184
	4×500ml(Round cup)	4000	3184
	with biosafety lid		
	4×500ml(Square cup)	4000	3184
	4×500ml(Sharp bottom)	4000	3184

5	Automatic cap removal 2~7ml×64 tubes(Vacuum Blood Collection Tubes)	4000	3040
	4×250ml (Round cup)	4000	3040
	4×250ml	4000	3040
	with biosafety lid		
	4×250ml (Square cup)	4000	3040
	Include adapter:		
	4×4×50ml (sharp bottom)		
	4×10×15ml (sharp bottom)		
	4×250ml(Sharp bottom)	4000	3040
	6×250ml (Round cup)	4000	3040
6	4×750ml (Square cup)	4000	3425
	Include adapter:		
	4×7×50ml (sharp bottom)		
	4×14×15ml (sharp bottom)	4000	3425
	4×2×96 Micro-plate hole		
	Automatic cap removal 2~7ml×120 tubes(Vacuum Blood Collection Tubes)	4000	3425
	500ml For blood bags	4000	3425
	(Include blood bag adapter)		
7	2×2×96 Micro-plate hole	4000	2057

RotoL 65R Low Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	RotoL 65R
Max Speed	6500rpm
Max RCF	5091×g
Max Capacity	4×250ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 10A
Power	1000W
Noise Level	≤60dB(A)
Size	680×660×400(mm)
Net Weight	90kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	6×50ml(bowl type)	6500	5091
2	40×15ml(bowl type)	5000	4191
Swing-out Rotor			
3	4×50ml	4200	3254
	4×100ml	4200	3254
	8×50ml	4200	3254
	8×100ml	4200	3254
	16×10/15ml	4200	3254
	24×10/15ml	4200	3254
	32×10/15ml	4200	3254
	48×2~7ml(Vacuum Blood Collection Tubes)	4200	3254
	64×5ml(Vacuum Blood Collection Tubes)	4200	3254
4	4×250ml (Round cup)	4200	3352
	4×250ml	4200	3352
	with biosafety lid		
	Automatic cap removal 2~7ml×64 tubes(Vacuum Blood Collection Tubes)	4200	3352
	4×250ml (Square cup)	4200	3352
	Include adapter:		
	4×4×50ml (sharp bottom)		
5	4×10×15ml (sharp bottom)	4200	2267
	2×2×96 Micro-plate hole		

RotoL 68R Low Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	RotoL 68R
Max Speed	6500rpm
Max RCF	5495×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 15A
Power	1500W
Noise Level	≤60dB(A)
Size	730×660×400(mm)
Net Weight	125kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	6×50ml(bowl type)	6500	5091
2	40×15ml(bowl type)	5500	5071
Swing-out Rotor			
3	Automatic cap removal 2~7ml×120 tubes(Vacuum Blood Collection Tubes)	4200	3648
	4×750ml(Round cup)	4200	3648
	4×750ml(Square cup)	4200	3648
4	Automatic cap removal 2~7ml×104 tubes(Vacuum Blood Collection Tubes)	4200	3510
	4×500ml(Round cup)	4200	3510
	4×500ml(Round cup) with biosafety lid	4200	3510
	4×500ml(Square cup)	4200	3510
	4×500ml(Sharp bottom)	4200	3510

5	Automatic cap removal 2~7ml×64 tubes(Vacuum Blood Collection Tubes)	4200	3352
	4×250ml (Round cup)	4200	3352
	4×250ml	4200	3352
	with biosafety lid		
	4×250ml (Square cup)	4200	3352
	Include adapter:		
	4×4×50ml (sharp bottom)		
	4×10×15ml (sharp bottom)	4200	3352
	4×250ml(Sharp bottom)		
6	6×250ml (Round cup)	4200	3352
	4×750ml (Square cup)	4500	4335
	Include adapter:		
	4×7×50ml (sharp bottom)		
	4×14×15ml (sharp bottom)	4500	4335
	4×2×96 Micro-plate hole		
	Automatic cap removal 2~7ml×120 tubes(Vacuum Blood Collection Tubes)	4500	4335
	500ml For blood bags (Include blood bag adapter)	4500	4335
7	2×2×96 Micro-plate hole	6500	5495
	(Enhanced version)		

RotoL 68RU Low Speed Benchtop Refrigerated Centrifuge



01 Technical Parameters

Model	RotoL 68RU
Max Speed	6500rpm
Max RCF	6330×g
Max Capacity	4×750ml
Timer	1s~99h59min59s
Revolutions/min	±10r/min
Temp. Range	-20℃~40℃
Voltage	AC220±22V 50Hz 30A
Power	1500W
Noise Level	≤55dB(A)
Size	730×660×450(mm)
Net Weight	110kg
Rotor automatic identification	Yes

02 Rotor Parameters

S/N	Capacity(ml)	Max Speed (r/min)	Max RCF(×g)
Angle Rotor			
1	6×50ml	6500	5190
2	12×10ml	6500	5190
3	12×15ml	6500	6330

Swing-out Rotor			
4	4 × 250ml	4200	3648
	4 × 250ml	4200	3648
	with biosafety lid		
	4 × 250ml(Sharp bottom)	4200	3648
	6 × 250ml	4200	3510
	Automatic cap removal 2~7ml × 72 tubes(Vacuum Blood Collection Tubes)	4200	3510
	72 × 2~7ml(Vacuum Blood Collection Tubes)	4200	3510
	Automatic cap removal 2~7ml × 100 tubes(Vacuum Blood Collection Tubes)	4200	3510
	100 × 2~7ml(Vacuum Blood Collection Tubes)	4200	3510
	120 × 2~7ml(Vacuum Blood Collection Tubes)	4200	3352
5	4 × 500ml	4200	3352
	4 × 500ml	4200	3352
	with biosafety lid		
	4 × 500ml(Sharp bottom)	4200	3352
	4 × 750ml	4200	3352
	4 × 750ml	4500	4335
	with biosafety lid		
	4 × 500ml(Square cup)	4500	4335
6	4 × 2 × 96 Micro-plate hole	4500	4335

VCC-1, VCC-2, VCC-3, VCC-4, VCC-6 Vacuum Centrifugal Concentrators

Major Fields of Application

Our VCC series vacuum centrifugal concentrators are able to quickly and safely evaporate water and organic solvent in samples. The processed samples can be conveniently used for various qualitative and quantitative analyses in areas such as chemicals, biochemicals, biological analysis, immune screening, food safety, residue analysis, etc. These devices are suitable for concentration of immunoglobulins, concentration of drug metabolites, solid phase extraction (SPE), pre- and post-processing of liquid chromatography, ADMET/toxicology, polymer chemistry, DNA/RNA purification and concentration, oligomerization, forensics/drug of abuse, testing, and general lab concentration.



Product Advantages

- The new XIUI3.0 operating system features microcomputer control, programmable operations, and direct drive by a DC variable frequency brushless motor for precise speed control.
- A 7" wide-angle LCD touch screen is available for digital input and easy to operate. It can display set and run parameters, as well as chamber pressure (mbar) in real time. The all-steel housing has corrosion-resistant orange peel fine wrinkles showing full lines, featuring an industrial human-machine design that is safe while being visually appealing and allowing for a high recognition rate.

- One-button preheating: The product is fitted with the precise temperature control technology for fast heating and accurate temperature control, thus being capable of heating the chamber temperature to 60 °C, quickly reaching and maintaining the set temperature. (Applicable to VCC-1/VCC-2/VCC-3)
- One-button pre-cooling: The products use imported fluorine-free refrigerating compressor units (refrigerant R404a) that meet the environmental requirements, with pre-cooling function and a wide temperature control range: -20°C to +60°C, quickly reaching the set temperature; the chamber is embedded with copper pipes that comply with national standards for strong hot and cold exchange capabilities and thus can ensure constant-temperature centrifugation. (Applicable to VCC-4)
- Vacuum setting: Vacuuming starts at the set speed value, and the vacuum level can be controlled during operation within the set precision to enhance sublimation efficiency and provide safe and efficient concentration without pollution, foam or sample damage.
- Automatic vacuum release: When the instrument stops running or in case of power outage/shutdown, vacuum release will be automatic to ventilate with the external environment, and slow to protect samples from excessive positive and negative pressure. After complete release, the instrument will automatically open the cover.
- The built-in organic solvent vapor pressure curve charts display the detailed vapor pressure data of different organic solvents at different temperatures, helping users understand the evaporation characteristics of organic solvents, and preventing wrong operations or safety accidents due to lack of understanding.
- The 304 stainless steel seamlessly molded centrifuge chamber has undergone Teflon treatment for corrosion resistance, and thus can ensure the purity of sample solvents.
- A variety of rotors are available to meet different experimental throughput needs and suitable for the centrifugal concentration to pretreat samples such as nucleic acids and viruses.
- Split design: Independent accessories, free compatibility, flexibility in use.
- One-button linkage function for simpler and more convenient instrument operation.
- The polymethyl methacrylate cover plate is transparent and easy for observation , with an automatic door opening/closing design that is convenient and can prevent wrong operations caused by manual door opening/closing; in case of power outage, it can be powered by a battery to automatically open the cover plate.
- The products have built-in operation guide and early warning modules for over temperature, low pressure and emergency stop, which can help users improve efficiency, reduce the risk of wrong operations, and meet strict requirements for reliability of concentration effects.
- The products are supported by certifications including ISO9001 (2015); ISO13485 (2016); ISO14001 (2015); ISO45001 (2018); and CFDA registration and production qualification.

Host Parameters

Product Model	VCC-1	VCC-2	VCC-3	VCC-4	VCC-6
RPM	1,500r/min	2,000r/min		2,000r/min	
Max power	1kW	2.4kW	2.5kW	0.5kW	3.5kW
Max current	5A	11A	11A	2.5A	11A
Ambient temperature	0℃ ~ +35℃				
Temperature control range	Room temperature ~ +60℃	Room temperature ~+60℃ (+70℃, +80℃)		-20℃~+40℃	-20℃~+80℃
Timer range	1min-23h59min59s				
Door opening/closing	Manual	Auto		Manual	Auto
Preheating	Available			Available (add pre-cooling)	
One button linkage	Not available	Available			
Final vacuum	0. 1mbar				
Auto pressure release	Not available	Available			
Vacuum level display	Not available	Available		Not available	Available
Vacuum interface	Φ10mm				
Vacuum pump (recommended)	Domestic diaphragm pump/oil pump, imported oil pump/diaphragm pump				
Cold trap (recommended)	CT-6/CT-40/CT-50				
Noise	≤50dB (A)			≤60dB(A)	
Power supply	AC220V/50Hz				
Weight	21kg	42kg	55kg	70kg	90kg
Dimensions (L×W×H)	500×460×280	400×540×350	480×600×410	710×630×380	490×660×380

Rotor Components

Fixed-angle Rotor
62×1.5ml



Max RPM: 1,500r/min
Rotor item number:
VCC-1JZZ-022-0127 (1500)
VCC-3JZZ-026-0152 (2000)
Applicable to VCC-1/VCC-2/VCC-3/VCC-4

Fixed-angle Rotor
12×10ml



Max RPM: 1,500r/min
Rotor item number:
VCC-1JZZ-022-0127 (1500)
VCC-3JZZ-026-0152 (2000)
Applicable to VCC-1/VCC-2/VCC-3/VCC-4

Fixed-angle Rotor
6×50ml



Max RPM: 1,500r/min
Rotor item number:
VCC-1JZZ-022-0127 (1500)
VCC-3JZZ-026-0152 (2000)
Applicable to VCC-1/VCC-2/VCC-3/VCC-4

Fixed-angle Rotor
6×250ml



Max RPM: 1,500r/min
Rotor item number:
VCC-1JZZ-022-0127 (1500)
VCC-3JZZ-026-0152 (2000)
Applicable to VCC-1/VCC-2/VCC-3/VCC-4

Optional rotors

62×0.2mL	24×5mL	8×50mL+8×10mL
102×1.5mL	18×10mL	10×50mL
204×1.5mL	20×15mL	24×8×0.2mL (8-tube strips)
12×5mL	45×15mL	2×96 holes

Fixed-angle Rotor
62×1.5ml



Fixed-angle Rotor
12×10ml



Fixed-angle Rotor
6×50ml



CT-6, CT-40, CT-50 Cold Traps

Major Fields of Application

These cold traps are rapid solvent capture systems for efficient condensation of solvent vapors. When they condense vapor into a liquid, the reduction of gaseous substances increases the vacuum of the system, thus speeding up the concentration process and significantly improving the performance of the vacuum concentration system.



Product Advantages

TFT-LCD true color display screen, dual operation modes of touch screen and physical keys, displaying the set parameters and operating parameters at the same time.

- Sealed wide-mouth collection bottles made of soda-lime glass with good chemical resistance and optional capacity.
- Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a, allowing for a wide temperature control range: from -50°C to room temperature (VCT-50) (can be set during operation); pre-cooling function (quickly cool down to the set temperature); standby cooling function (maintain the set temperature in the standby state).
- Closed circulation mode to avoid laboratory environmental pollution.
- Volume as small as 0.8m³, allowing for a collection area of up to 760cm². High recovery efficiency with a max capture volume of 284ml/6H (absolute ethanol).

Host Parameters

ProduVCT Model	CT-6	CT-40	CT-50
Circulation method	Closed circulation		
Freezing method	Refrigeration compressor, eco-friendly refrigerants		
Max power	300W	320W	380W
Temperatures of working environments	15°C-30°C		
Extreme temperature	-40°C		-50°C
Adjustable temperature range	Room temperature to -40°C		Room temperature to -45°C
Temperature control accuracy	±1°C		
Max capture volume for concentration and condensation	Medium: Water 260ml/12 hours Medium: Ethanol 284ml/6 hours	Temperature set at -15°C Temperature set at -35°C to -40°C	300ml collection bottle recommended 600ml collection bottle recommended
Condensing area of the collection chamber	760cm		
Safety mechanism	Compressor overload protection, compressor timing protection, high-voltage switch protection, temperature self-regulation, defrosting		
Pagoda Interface	Φ12		
Collection bottle volume	200mL	300mL	600mL
Power supply	AC220V50HZ15A	AC220V50HZ15A	AC220V50HZ15A
Weight	44kg	53kg	54kg
Dimensions (L×W×H)	340mm×440mm×630mm	250mm×580mm×560mm	250mm×580mm×560mm

Hematocrit Centrifuge



Rotor parameters

Order code	Rotor type	Max. speed(rpm)	Max. RCF(xg)	Capacity
H12012	Hematocrit rotor	12000	14800	12 capillary rotor
H12024	Hematocrit rotor	12000	14800	24 capillary rotor
H12036	Hematocrit rotor	12000	14800	36 capillary rotor

Technical Parameter

Model	SCAP12
Max. speed	12000rpm
Max. RCF	14800xg
Max. capacity	36 capillaries
Speed accuracy	±30rpm
Time setting range	1min to 99min
Noise	<62dB(A)
Power supply	AC220±22V 50/60Hz 5A
Power consumption	300W
Dimensions (WxDxH)(mm)	320x370x235
Package size (WxDxH)(mm)	530x410x290
Net weight	11kg

Product Features

- ◆ Microprocessor control, DC brushless motor for stable and low noise operation.
- ◆ During a run, parameters can be set freely without shutdown.
- ◆ Automatic calculation of RCF value, and special RCF key for RCF value checking at any time.
- ◆ Countdown time showed by seconds if the centrifugation time is less than 1 min.
- ◆ Self-diagnosis system can automatically detect the faults of overspeed and no speed signal, door lid interlock to improve the safety performance.

CYTO Centrifuge / Cell Smear Centrifuge



Rotor parameters

Order code	Rotor type	Max. speed(rpm)	Max. RCF(xg)	Capacity
C02006	Swing bucket cyto rotor	2000	545	6-place
C03006	Cyto rotor	3000	730	6-place
C03012	Cyto rotor	3000	890	12-place

Technical Parameter

Model	SCE3
Order No.	205198000
Max. speed	3000r/min
Max. RCF	890xg
Funnel capacity	0.1ml-0.5ml
Max. capacity	12-place
Speed accuracy	±30r/min
Time setting range	1min to 99min
Noise	≤60dB(A)
Power supply	AC220V±22V 50/60Hz
Power consumption	260W
Product dimension (WxDxH)(mm)	380x500x300
Packing dimension (WxDxH)(mm)	465x660x350
Net weight	19kg

Product Features

- ◆ Microprocessor control and DC brushless motor.
- ◆ Touch panel and LCD display. RCF can be calculated automatically.
- ◆ Save up to 25 user-defined programs. Featuring a separate short spin key for quick centrifugation.
- ◆ Special damping structure to reduce vibration.
- ◆ Centrifuge lid with soft-touch lid closure. Centrifuge cannot work if the door is open and the door can not be opened when it is working.
- ◆ Several smear rotors available, it can smear various-fluids to achieve the best centrifugation result.

Serofuge / Cell Washing Centrifuge



Rotor parameters

Rotor type	Order code	RCF(xg)	Time	Capacity
HLA	HLA20	2000xg	180s	Lymphocyte separation and cultured cell separation
	HLA101	1000xg	3s	Platelet removal(thrombin processing)
	HLA102	1000xg	60s	Lymphocyte washing
SERO	SER05	500xg	60s	Blood type determination and observation of hemagglutination reaction
	SER101	1000xg	15s	Cross matching and antiserum globulin testing
	SER102	1000xg	60s	Hematocyte washing

Technical Parameter

Model	SIB4
Max. speed	4500r/min
Max. RCF	2000xg
Max. capacity	36 (0.25~1ml)x12
Speed accuracy	±30r/min
Time setting range	1min to 99min
Noise	≤60dB(A)
Power supply	AC220V±22V 50/60Hz
Power consumption	100W
Dimensions (WxDxH)(mm)	456x330x266
Package size (WxDxH)(mm)	568x423x300
Net weight	12kg

Product Features

- ◆ Microprocessor control, DC brush-less motor.
- ◆ Touch panel and LCD display.
- ◆ Special damping structure to reduce vibration.
- ◆ Integrated molding of housing.
- ◆ Electronic door lock, centrifuge cannot work if the door is open and the door cannot be opened when it is working.
- ◆ Countdown time displayed by seconds if the centrifugation time is less than 1min.

Blood ID Centrifuge



Rotor parameters

Order code	Rotor type	Max. speed(rpm)	Max. RCF(xg)	Capacity
GCR0224	Gel Card Rotor	2000	1790	24

Technical Parameter

Model	SBL4
Max. speed	2000r/min
Max. RCF	1790xg
Numbers of micro-column gel card (6 columns)	24
Speed accuracy	±30r/min
Time setting range	1 to 99min
Noise	≤60dB(A)
Power supply	AC220V±22V 50/60HZ
Power consumption	260W
Product dimension (WxDxH)(mm)	380x500x300
Packing dimension (WxDxH)(mm)	465x660x350
Net weight	19kg

Product Features

- ◆ Microprocessor control and DC brushless motor.
- ◆ Touch panel and LCD display. RCF can be calculated automatically.
- ◆ Save up to 25 user-defined programs. Featuring a separate short spin key for quick centrifugation.
- ◆ Special damping structure to reduce vibration.
- ◆ Centrifuge lid with soft-touch lid closure. Centrifuge cannot work if the door is open and the door cannot be opened when it is working.
- ◆ Several smear rotors available, it can smear various fluids to achieve the best centrifugation result.

Petroleum Centrifuge



Rotor parameters

Order code	Rotor type	Max. speed(rpm)	Max. RCF(xg)	Capacity
SR0403610	Swing rotor	4000	3150	36x10ml
SR01704100	Swing rotor	1700	691	4x100ml

Technical Parameter

Model	SPetro4
Max. speed	4000rpm
Max. RCF	3150xg
Max. capacity	4x100ml
Speed accuracy	±10rpm
Time setting range	1 to 99min
Temp. setting range	room temperature +10℃ ~ 70℃
Noise	≤65dB(A)
Power supply	AC220±22V 50/60Hz 10A
Power consumption	500W
Product dimension (WxDxH)(mm)	520x550x400
Packing dimension (WxDxH)(mm)	772x772x582
Net weight	85kg

Product Features

- ◆ LCD display to show rotor No., speed, time, temperature, RCF, Acc/Dec profile and trouble information /error code.
- ◆ TCircularheater for fast heating and temperature uniformity realizes the functions of temperature controlling and temperature holding, which meet the temperature requirements for oil industry.
- ◆ Frequency-conversion motor with high torque is characterized by stable and fast acceleration/deceleration as well as long service life, maintenance free, and low noise for stable operation.
- ◆ Self-diagnosis system can automatically detect the faults of overspeed, overtemp and display the error code on the display screen to improve the safety performance.
- ◆ Simple operation: Microprocessor control and touch panel. Speed, RCF, temperature, time and Acc/Dec profiles can be set freely. The parameters can be revised during a run for convenient use.

Microplate Centrifuge



Technical parameters

Model	SENZ3	Misoperation/alarm failure	Sound prompt+display code
Input power	DC24V/2.75A	Sample loading method	Place vertically downward
Input power	55W	Weight	3.9kg
Motor/drive mode	DC24V DC brushless variable frequency motor	Noise	60dB (A)
Display mode	Highlight LCD	Fastest acceleration time	≤6s
Effective centrifuge time	1-99min.1-59sec	Fastest acceleration time	≤5s
Speed	300~3000±15rpm	Size(L×W×H)(mm)	225×255×215
Speed step increase	10rpm	Allowable ambient temperature /relative temperature	+5-40℃/80%
Max Capacity	2*96hole PCR plate/ enzyme label plate	Degree of protection	IP20
Max RCF	608×g	Interference suppression standard	EN 61010-1,EN 61010-2-020, EN 61326-1,EN 61010-3-2/A2

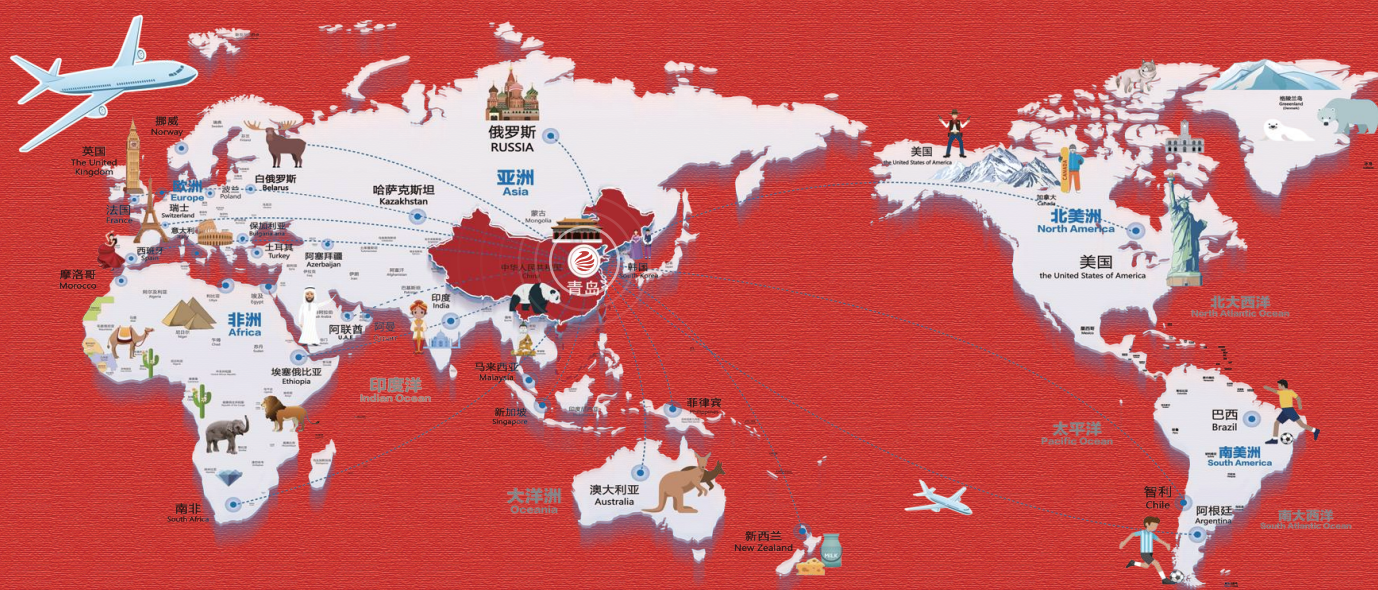
Product Features

The instantaneous centrifugation function rises to the maximum speed for about 6 seconds, which can quickly leave the liquid droplets hanging on the wall.

Faster acceleration and deceleration rate to complete the experiment in a shorter time.

The door cover protection, over-speed and imbalance detection system can monitor the centrifuge process in real time to ensure the safe operation of the instrument.

When the operation is over, error or imbalance occurs, the sound signal prompts, and the operation stops at the same time, and the LCD displays the result code.



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