

ONiLAB

CENTRIFUGES
SPECTROPHOTOMETER



D1008 Palm Micro Centrifuge

Features

- Extremely quiet with noise level ≤ 45 dB.
- Compact design and occupies less bench space.
- Easy-to-use with dual start/stop function.
- Powerful motor provides up to 7000rpm (D1008).
- Suitable for 2mLx8/1.5mLx8 and PCR8x2 rotors.
- Accelerates and brakes in seconds.



Specifications

Specifications	D1008
Max. Speed	7000rpm
Max. RCF	2680xg
Rotor Capacity	0.2/0.5/1.5/2.0mLx8; 0.2mLx16 PCR strips or 0.2mLx2 PCR 8 strips
Run Time	Continuous operation
Driving Motor	DC motor
Power	AC 100-240V/50Hz/60Hz 20W
Noise Level	≤ 45 dB
Dimension [DxWxH]	160x170x122mm
Weight	0.5kg
Certification	CE cTÜVus FCC MCA



Available rotors

Cat. No. 19400015



A08-2

Max. speed: 7000/5000rpm
Max. RCF: 5460/2680/1360xg
Rotor capacity: 2mL/1.5mLx8, 0.2mLx8, 0.5mLx8
Rotor material: High strength plastic
Available rotor adapters: SA02P2, SA05P2

Cat. No. 19400017

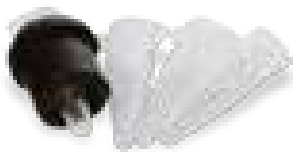


A02-PCR8

Max. speed: 10000/7000/5000rpm
Max. RCF: 5460/2680/1360xg
Rotor capacity: 0.2mLx16 PCR strips, 0.2 mLx2 PCR 8 strips
Rotor material: High strength plastic

Available adapters

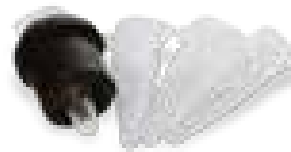
Cat. No. 19400029



SA02P2

0.2mL rotor adapter
Used with A08-2 rotor
8pcs/pk

Cat. No. 19400026



SA05P2

0.5mL rotor adapter
Used with A08-2 rotor
8pcs/pk



High Speed Micro Centrifuge |

High speed micro centrifuges are widely used in physical and chemical analysis, biochemistry, cellular and molecular biology, clinical Labs ideal for high-end research applications

- Sedimentation of cells and viruses
- Separation of sub-cellular organelles
- Isolation of macromolecules such as DNA, RNA, proteins or lipids

Precise control |

- Brushless DC motor accelerates quickly to the set speed
- High accuracy of speed in ± 20 rpm
- Digital timer adjustable from 30 sec. to 99 min or set for continuous run
- Timer starts only when the set speed is achieved and then maintains the accuracy of separation time.

Conforms to international safety standards and regulations |

- ONiLAB centrifuges passed CE, cTUVus and FCC requirements. certifications, they are certified by TUV. All ONiLAB test items are proven with the high level of reliability and confidence according to IEC/EN 61010-1, and pass MCA test according to IEC/EN61010-2-20, including explosion-proof and bio-safe tests.
- Quiet operation, maximum reliability
- High strength metal casing ensures security during centrifugal process
- Dual door interlock design for safety(D3024 & D3024R)
- Gentle braking at low speed with efficient separation

Ergonomic design |

- User-friendly large LCD display shows real-time information
- Both RPM or G-force can be set and displayed
- The parameters can be modified after the set speed is reached.
- The short spin function is used for quick spins by pressing and holding PULSE key. The centrifuge speed can be accelerated and held at the target speed
- Automatic lid-lock release prevents sample warming and allows easy access(excluding D3024R)
- Concise display and Sound-alert

D2012 plus

High Speed Mini Centrifuge

Features

- Large LCD display with intuitive menu for quick and easy operational settings.
- Compact in structure and requires only a small foot print space.
- Maintenance free rotor with a powerful centrifugal force of 15100xg and max. speed of 15000rpm.
- High efficiency BLDC motor quickly accelerates the rotor to set speed.
- Precise rotation speed and quiet operation with noise level ≤ 45 dB.
- D2012 Plus passed the rigorous explosion-proof test and accredited with CE, cTUVus, FCC certificates, and MCA test. MCA test according to IEC/EN61010-2-20.



Specifications

D2012 plus

Max. Speed	15000rpm(500-15000rpm), increment: 100rpm
Max. RCF	15100xg, increment: 100xg
Speed Accuracy	± 20 rpm
Rotor Capacity	0.2mL/0.5mL/1.5mL/2mLx12
Run Time	30sec-99min/Continuous
Driving Motor	Brushless DC motor
Safety Devices	Door interlock, Over-speed detection, Over-temperature detection, Automatic internal diagnosis
Power	Single-phase, AC100V-240V, 50Hz/60Hz, 3A 100W
Noise level	≤ 54 dB
Acceleration /Braking time	11s \uparrow /9s \downarrow
Dimension[DxWxH]	255x245x140mm
Weight	6kg
Certification	EMC, CE, FCC, ICES, cTUVus, CB
Advanced features	Speed/RCF switch, Short-time run function, sound-alert function





Available rotors

Cat. No. 19400010



A12-2P for D2012plus only

Max. speed: 15000rpm
 Max. RCF: 15100xg
 Rotor capacity: 2mL/1.5mLx12,0.2mLx12,0.5mLx12
 Rotor material: High strength plastic
 Available rotor adapters: A02P2,A05P2

Available adapters



A02P2

Cat. No. 19500001

0.2mL rotor adapter
 Used with A12-2, A12-2P, AS24-2 and A24-2P rotors
 24 pcs/pk

A05P2

Cat. No. 19500002

0.5mL rotor adapter
 Used with A12-2,A12-2P, AS24-2 and A24-2P rotors
 24 pcs/pk



D3024

High Speed Micro Centrifuge

Unique Features

- The microprocessor maintains precise control over centrifuge operation.
- Large LCD digital display with a rotating control knob for parameter settings.
- High performance BLDC motor quickly accelerates and decelerates to set values.
- Speed is adjustable in both RPM and RCF.
- Bio-safe rotor/anti-sample overflow prevents accidental leakage during centrifugal process.
- Five fixed angle rotors are available for use with D3024& D3024R.
- Rotors are fully autoclavable.
- Four rotors are optional complete with 24 places 1.5/2.0mL tubes, bigger 5.0mL, smaller 0.2mL and 0.5mL tubes with adapter.



D3024R

Refrigerated High Speed Micro Centrifuge

Powerful cooling system for precise temperature control

- Microprocessor control with high precision control.
- Large LCD digital display with a rotating control knob for parameter settings.
- High performance BLDC motor for fast acceleration and deceleration.
- Speed is adjustable in both RPM and RCF.
- Unique cooling design with auto-lid lock helps in internal temperature maintenance.
- Sample temperature can be cooled at 2°C within 7 minutes at maximum speed.
- CFC-free refrigerants with high energy efficiency and sample protection.
- Rotors are fully autoclavable at 121°C for 20 minutes and are bio safe.
- Quiet and smooth operation with noise level ≤ 54 dB.
- Five(optional) fixed angle rotors are available for use with D3024& D3024R.
 - AS24-2 - 24 places 0.2/0.5/1.5/2.0mL tubes,
 - AS12-5V - 5mLx12 culture tubes,
 - AS18-5 - 5mLx18,
 - AS36-05 - 0.5/0.2mL x 36,
 - AS4-PCR8 - 0.2mL/PCR8 x 4



Specifications	D3024	D3024R
Max. Speed	15000rpm(200-15000rpm), increment:10rpm	15000rpm(200-15000rpm), increment:10rpm
Max. RCF	21380×g, increment:10×g	21380×g, increment: 10×g
Speed Accuracy	±20 rpm	±20 rpm
Temperature Range	-	-20°C-40°C
Rotor Capacity	5mL×18, 5mL culture tubex12 0.2mL/0.5mL/1.5mL/ 2mL×24, 0.5mL×36, PCR8×4	5mL×18, 5mL culture tubex12 0.2mL/0.5mL/1.5mL/ 2mL×24, 0.5mL×36, PCR8×4
Run Time	30sec-99min/Continuous	30sec-99min/Continuous
Motor	Brushless DC motor	Brushless DC motor
Safety Devices	Dual door interlock, Over-speed detection, Over-temperature detection, Automatic internal diagnosis	Dual door interlock, Over-speed detection, Over-temperature detection, Automatic internal diagnosis
Power	Single-phase, AC200V-400V, 50Hz/60Hz, 5A, AC100V-120V, 50Hz/60Hz, 8A 200W	Single-phase, AC200V-240V, 50Hz/60Hz, 10A, AC100V-120V, 50Hz/60Hz, 10A 400W
Acceleration /Braking time [Sec]	25s ↑ 25s ↓	25s ↑ 25s ↓
Dimension[W×D×H]	280×364×266mm	338×580×324mm
Weight	12kg	30kg
Certification	CE TÜVus FCC MCA	CE TÜVus FCC MCA
Advanced Features	Speed/RCF switch; Short-time run function; sound-alert function	Speed/RCF switch; Short-time run function; sound-alert function
Noise Level	≦64dB	≦56dB





Rotor Features |

Fully autoclavable

High strength aluminum alloy rotors are fully autoclavable, withstanding steam sterilizing at 121°C for 20 minutes, with unlimited service life.

Bio-safe

Aspired to be the top-of-the-line model, D3024 & D3024R rotors are designed to prevent sample leakage. Each and every rotor is hermetically sealed by three rubber seals.

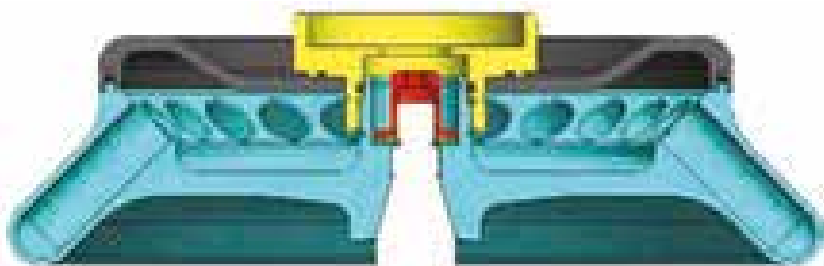
Explosion-proof

ONiLAB centrifuges are constructed under MCA conditions according to IEC/EN61010-2-20, causing disruption by partially cutting and overloading rotor assembly, and guarantee that no part shall be detached to cause danger to person or the environment.

ONiLAB rotors are manufactured from military-industrial grade aluminum alloy with high mechanical strength for precise running and safety (excludes D2012 plus rotor)

- Every rotor can reach a max. speed of 15000rpm
- Rotors are seated on a tapered shaft, concentric and self-aligning, perfect to achieve running stability at high speeds
- D3024 & D3024R with bio-safe rotors/anti-sample overflow prevents accidental leakage and risk free centrifugal process
- microbial contamination. D3024 & D3024R rotors have passed MCA test according to IEC/EN61010-2-20, including explosion-proof and bio-safe tests
- High strength aluminum alloy rotors are fully autoclavable and provide unlimited service life (D2012 plus rotor not included)
- Powerful cooling system minimizes rotor heating. D3024 rotors heat up to > 10°C and D2012 rotors less than 8°C after running an hour

Three rubber seals fitted to achieve bio-safe condition



Seals within the aluminum alloy rotor

Available rotors

Cat. No. 19400006



AS24-2

for D3024 & D3024R

Max. speed: 15000rpm

Max. RCF: 21380xg

Rotor capacity: 2mL/1.5mLx24/0.2mLx24/0.5mLx24

Rotor material: Aluminum alloy

Bio-safe(Bio sealing): Yes

Available rotor adapters: A02P2,A05P2

Cat. No. 19400032



AS12-V5

for D3024 & D3024R

Max. speed: 15000rpm

Max. RCF: 21380xg

Rotor capacity: 5mLx12(Eppendorf tube)

Rotor material: Aluminum alloy

Bio-safe(Bio sealing): Yes

Cat. No. 19400007



AS36-05

for D3024 & D3024R

Max. speed: 15000rpm

Max. RCF: 21380xg

Rotor capacity: 0.5mLx36,0.2mLx36

Rotor material: Aluminum alloy

Bio-safe(Bio sealing): Yes

Available rotor adapters: A02P05

Cat. No. 19400008



AS4-PCR8

for D3024 & D3024R

Max. speed: 15000rpm

Max. RCF: 21380xg

Rotor capacity:0.2mL/PCR8x4

Rotor material: Aluminum alloy

Bio-safe(Bio sealing): Yes

Cat. No. 19400012



AS18-5
for D3024 & D3024R

Max. speed :15000rpm
 Max. RCF:21380xg
 Rotor capacity:5mLx18 (Round-Botton tube)
 Rotor material:Aluminum alloy
 Bio-safe(Bio sealing):Yes

Available adapters



A02P2

Cat. No. 19500001

0.2mL rotor adapter
 Used with A12-2, A12-2P, AS24-2 and A24-2P rotors
 24pcs/pk

A05P2

Cat. No. 19500002

0.5mL rotor adapter
 Used with A12-2, A12-2P, AS24-2 and A24-2P rotors
 24pcs/pk

A02P05

Cat. No. 19500003

0.2mL rotor adapter
 Used with AS36-05 rotor
 36pcs/pk



Hematocrit Centrifuges

Hematocrit centrifuges are useful to measure the ratio of volume of RBC to whole blood. These centrifugation results are useful to detect the presence of anemia. Hematocrit centrifuges are useful in the fields of biochemistry, microbiology, blood separation, Immunogenetics, etc.

DM1424 Hematocrit Centrifuge

Features

- Variable speed adjustable upto 14000rpm or RCF up to 18620xg.
- High performance BLDC motor.
- Microprocessor control with high precision of speed and time.
- Easy-to set LCD digital display.
- Pulse operation for short spin applications.
- Two optional fixed angle rotors are available for use with DM1424.
A24-2P(Tube rotor) - 2mL/1.5mLx24,0.2mLx24,0.5mLx24
AC24(Hematocrit rotor) - Capillary tubes x24



Specifications
DM1424

Speed Range	200-14000rpm, increment: 10rpm
Max. RCF	18620×g
Speed Accuracy	±20
Rotor Capacity	2 type
Run Time	30sec-99min/Continuous
Motor	Brushless DC motor
Display	LCD
Safety Devices	Door interlock, Overspeed detector; Over-temperature detector, Automatic internal diagnosis, Automatic rotor identification
Acceleration/Braking time	30s ↑ 30s ↓
Power	Single-phase, 200V-240V,50Hz/60Hz, 5A; 100V-120V,50Hz/60Hz, 5A 500W
Dimension[WxDxH]	280×364×266mm
Weight	10kg
Certification	CE cTUVus FCC MCA IVD
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function



Available rotors

Cat. No.19400013



A24- 2P DM1424

Max. speed: 14000rpm
Max. RCF: 18620×g
Rotor capacity: 2mL/1.5mL×24,0.2mL×24,0.5mL×24
Rotor material: High strength plastic
Available rotor adapters: A02P2,A05P2,A10P15 & Mat

Cat. No. 19400046



AC24 DM1424

Max. speed: 12000rpm
Max. RCF: 13680×g
Rotor capacity: capillary tubes x24
Rotor material: High strength aluminum

Available adapters



A02P2

Cat. No. 19500001

2mL to 0.2mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk

A05P2

Cat. No. 19500002

2mL to 0.5mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk

A02P05

Cat. No. 19500003

Rotor adapter, used with A12-10P, 12pcs/pk

Clinical Centrifuges

Clinical centrifuges are useful for effective and efficient processing of clinical samples with precise and reproducible results. These are useful in separation of clinical samples like serum, urea, blood, preparation of PRP and PRF samples etc.

Conforms to international safety standards and regulations

- ONiLAB clinical centrifuges are marked with CE, cTUVus and FCC, and passed the explosion-proof test / MCA test according to IEC/EN61010-2-20
- Passed EN61010-2-101:2002 particular requirements for In-vitro diagnostic (IVD) medical equipment
- 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



DM0412 Clinical Centrifuge

Features

- Efficient BLDC motor to achieve precise speed control.
- Easy to set and program with LCD digital display.
- Variable speed adjustable up to 4500rpm or RCF up to 2490 x g.
- Pulse key operation for short spin applications.
- Auto lid-lock and release saves processing time and ensures sample protection.

ONiLAB DM0412 & DM0412S clinical centrifuges support small volumes applications . The centrifuges are supplied with an angle rotor that can hold up to 50mLx6, 15mLx6 (A6-50P),15mLx8, or 10mL/7mL/5mLx12 (A12-10P) vacuum tubes.

They are widely used in medical and veterinary practices for the centrifugation of blood and urine samples in qualitative analysis of water and soil samples. These centrifuges are also used in universities and other research institutes





DM0412S

Economical Clinical Centrifuge

Features

- Economical clinical centrifuge with low maintenance DC motor.
- Easy to read, clear LED digital display.
- Speed adjustable from 300-4500rpm or RCF up to 2490xg.
- A12-10P rotor of DM0412/DM0412E makes it suitable for 15mL cell culture tubes/ 10mL/5mL x 12 centrifuge tubes





Specifications	DM0412	DM0412S
Speed Range	300-4500rpm, increment: 100rpm	300-4500rpm, increment: 100rpm
Max. RCF	2490×g	2490×g
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 ↑ 13s ↓ A6-50P: 20s ↑ 20 s /90 s ↓	23s ↑ 23s ↓
Power	Single-phase, 100V-240V, 50Hz/60Hz, 3A 70W	Single-phase, 200V-240V, 50Hz/60Hz, 3A; 100V- 120V, 50Hz/60Hz, 3A 70W
Dimension[WxDxH]	301×354×217mm	301×354×217mm
Weight	6kg	6kg
Certification	CE, UL, IVD	-
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function	sound-alert function

Available rotors

Cat. No. 19200348



A12-10P

for DM0412 & DM0412S

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









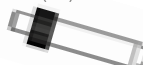

Cat. No. 9034002125



A6-50P

For DM0412(A6-50P)

Max. speed: 4000rpm
 Max. RCF: 1800xg
 Rotor capacity: 50mlx6, 15mlx6
 Rotor material: High strength plastic

Available tubes	Tube quantity	Dimension (ΦLxmm)	Adapters	Maximum speed(rpm)	Radius (cm)	Maximum RCF (xg)
 15mL con	8	17x120		4500	11	2490
 1.5-5mL vacu	12	13x75	 A10P15 & Plug	4500	9.8	2218
 4-7 mL vacu	12	13x100	 A10P15	4500	11	2490
		16x75			9.8	2218
 8.5-10 mL vacu	12	16x107		4500	11	2490
 2.7-3 mL(EU) collection tube	12	11x66	 A10P15 & Plug	4500	9.8	2218
 7.5-8.2 mL(EU) collection tube	12	15x92	 A10P15	4500	11	2490

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

ONiLAB DM0636 Multi-Purpose Clinical Centrifuge is ideal for the centrifugation of samples in clinical chemistry, cytology, research laboratories, industrial laboratories, etc.

This centrifuge is suitable for tubes with caps, blood collection or urine tubes. Swing-out bucket rotors and adapters can be compatible with standard tubes up to 100mL at low speed.

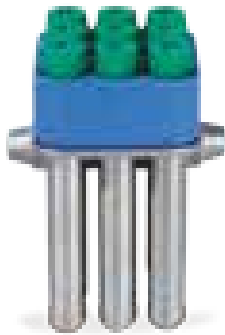
DM0636 Multi-Purpose Clinical Centrifuge

Features

- This centrifuge is suitable to use with capped tubes, blood collection tubes etc.,
- DM0636 is compatible with both swing out rotor as well as fixed angle rotor.
- Microprocessor control BLDC motor with high precision speed control.
- Variable speed adjustable from 300-6000rpm in increments of 10rpm or RCF up to 4300xg.
- Faster acceleration/deceleration speed settings.
- Programmable with 9 programs storage capacity.
- Automatic rotor identification.
- Five(optional) rotors suitable to DM0636 are:
SE4-100 100mLx4
AS12-PCR8 PCR8 strips x 12
AS30-2 2mL x 30
AS60-2 2mL x 60
S2-MP 384-PCR, 96-PCR



Specifications	DM0636
Speed range	300-6000rpm increment:10rpm
Max. RCF	4300xg
Speed accuracy	±20rpm
Temperature Range	-
Max. Capacity	100mLx4
Run Time	30sec-99mins/continuous
Motor	Brushless DC
Display	LCD
Program Memory	9
Safety Devices	Door Imbalance protection Over speed & Over temperature detection
Acceleration/Deceleration time	9 ↑ /10 ↓
Power	660W; Single-phase AC220V- 240V, 50Hz/60Hz,6.3A; AC110V-120V,50Hz/60Hz,10A
Dimension[WxDxH]	445x579x269mm
Weight	36kg
Certification	CE cTUVus FCC IVD
Advanced features	speed/rcf switch; Rotor identification



Uncapping block

for S4-100 rotor

Cat. No. 19400041



SE4-100(Standard accessory) for DM0636 & DM0636R

Max. speed: 4000rpm

Max. RCF: 2910xg

Rotor material: stainless steel body and adapter

	 19400045		 19400044			 19400043		 19400042				
bucket											x 4	
tube	x 36		x 16			x 8	x 4	x 4	x 4	x 8	x 20	
Nominal volume	3-7mL		10mL	12mL	15mL	50mL	100mL	85mL	50mL	15mL	3-7mL	
φ×L mm	13×75	13×100	15×100	17×105	17×120	29.5×100	38×108	38×104	29.5×100	17×120 13×100 13×75	13×100 13×75	
tube												
adapter	with plug											
Package	36						4	4	8	4		
Tubes per rotor	36	36	16	16	16	8	4	4	4	8	20	
Radius(mm)	14	16.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.1	14.7	
Max RCF (g-force)	2500	2950	2840	2840	2840	2840	2840	2840	2840	2700	2630	

Available rotors

Cat. No. 19400036



AS12-PCR8
D0636

Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: PCR 8 trips×12
Rotor material: aluminum
Bio-safe(Biosealing): Yes

Cat. No. 19400034



AS30-2(Default)
D0636

Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 2mL×30
Rotor material: aluminum
Bio-safe(Biosealing): Yes

Cat. No. 19400037



AS60-2
D0636

Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 2mL×60
Rotor material: aluminum
Bio-safe(Biosealing): Yes

Cat. No. 19400062



S2-MP
D0636

Max. speed: 4000rpm
Max. RCF: 2200×g
Rotor capacity: Micro-plates 384-PCR; 96-PCR
Rotor material: stainless steel body and aluminum buckets

Available rotors

Cat. No. 19400038



AS6-50V
DM0636

Max. speed: 6000rpm
Max. RCF: 41000×g
Rotor capacity: 50mL×6
Rotor material: aluminum
Bio-safe(Biosealing): Yes

Cat. No. 19400035



AS18-5V
DM0636

Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 5mL×18
Rotor material: stainless steel body and aluminum buckets

Cat. No. 19400039



A8-50
DM0636

Max. speed: 5000rpm
Max. RCF: 3910×g/3400×g
Rotor capacity: 50mL×8 or 15mL×16
Rotor material: aluminum body and stainless steel adapter

Cat. No. 19400040



A30-15
DM0636

Max. speed: 4500rpm
Max. RCF: 3260×g/2910×g
Rotor capacity: 15mL×30
Rotor material: aluminum body and stainless steel adapter Bio-safe(Biosealing): Yes

Capacity	3-7mL Blood collection tube	10mL Blood collection tube	12mL urine tube	15mL
φ×L mm	13×75	13×100	17×105	17×120
Tubes Quantity	30	30	30	30