

## Low-speed Centrifuges

Low-speed 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 low-speed centrifuges are compliant with ROHS CE, cTUVus and FCC, and have passed MCA test according to IEC/EN61010-2-20.
- Fully conform to EN61010-2-101:2002 particular requirements for In-Vitro Diagnostic(IVD) medical equipment.
- Excellently balanced high strength plastic rotor for stable operation .
- Double layer enhanced housing ensures mechanical safety.
- Brushless DC motor with precise speed control.



### Precise control

- Powerful microprocessor 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 for efficient separation.

### Ergonomic design

- Easy operation thanks to intuitive menu and easy-to-read display.
- Easily switch between RPM and RCF setting/display.
- Parameters can be modified during running.
- Press and hold the PULSE key to centrifuge instantaneously.
- Automatic lid-lock release.
- Easy-to-read runtime status display and buzzer notification & alert.



## DM0412 Low-speed Centrifuge

### Features

- Efficient BLDC motor with precise speed control.
- Easy setting with LCD digital display.
- Adjustable speed up to 4500rpm or RCF up to 2490xg.
- Pulse operation for instantaneous centrifuge applications.
- Automatic lid-lock and release save your trouble from unnecessary clicking and keep the sample in good ventilation after centrifugation.

ONILAB DM0412 & DM0412S Low-speed Centrifuges support small volumes applications. With proper angle rotor, these centrifuges 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 blood and urine samples, and in qualitative analysis of water and soil samples. These centrifuges are also used in universities and research institutes.



## DM0412S

### Economical Low-speed Centrifuge

#### Features

- Economical low-speed centrifuge with low maintenance DC motor.
- Simple LED digital display.
- Speed adjustable from 300-4500rpm or RCF up to 2490xg.
- A12-10P rotor of DM0412/DM0412E suitable for 12 ×15mL cell culture tubes/ 10mL/5mL centrifuge tubes.



Low Speed Centrifuges

ONILAB

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	A12-10P
Time setting range	30sec-99min HOLD(Continuous operation)	1sec-99min HOLD(Continuous operation)
Motor type	Brushless DC motor	DC motor
Display	LCD	LED
Safety Mechanism	Door interlock,Overspeed detection; Error code runtime display	Door interlock,Overspeed detection
Acceleration/Braking time	A12-10P: 20s ↑ 13s ↓	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	ROSH CE, UL, IVD	-
Additional features	Speed/RCF switch;Pulse operation (instantaneous centrifuge); Buzzer notification & alert	Buzzer notification & alert



## Available rotors

Cat. No. 19200348



### A12-10P

for DM0412 & DM0412S


Max. speed: 4500rpm

Max. RCF: 2490×g

Rotor capacity: 8x15mL, 12x10mL

Rotor material: High strength plastic



Available tubes	Capacity	Dimension (ΦLxmm)	Adapters	Maximum speed(rpm)	Radius (cm)	Maximum RCF (×g)
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: A12-10P plastic rotor cannot be sterilized by UV irradiation nor autoclave. Please use any other sterilization procedures.

ONiLAB DM0636 Multi-Purpose Low Speed Centrifuge is ideal for sample centrifugation in clinical chemistry, cytology, research laboratories, industrial laboratories, etc.

This centrifuge is suitable for screw cap tubes, 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 Low Speed Centrifuge

### Features

- DM0636 is compatible with swing out rotor as well as fixed angle rotor.
- BLDC motor with high precision microprocessor control of speed.
- Adjustable speed from 300-6000rpm in increments of 10rpm or RCF up to 4300xg.
- Flexible acceleration/deceleration speed settings.
- Up to 9 user-define programs.
- Automatic rotor identification.
- Five compatible rotors:  
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

Specifications	DM0636
Speed range	300-6000rpm increment:10rpm
Max. RCF	4300xg
Speed accuracy	±20rpm
Max. capacity	100mLx4
Time setting range	30sec-99mins/continuous
Motor type	Brushless DC
Display	LCD
Memory	Up to 9 programs
Safety mechanism	Door interlock; Overspeed detection; Overheat detection
Acceleration/ Deceleration	9 level adjustable acceleration speed / 10 level deceleration
Power	660W; Single-phase AC220V- 240V, 50Hz/60Hz, 6.3A; AC110V- 120V, 50Hz/60Hz, 10A
Dimension[WxDxH]	445x579x269mm
Weight	36kg
Certification	ROSH CE cTUVus FCC IVD
Additional features	Speed/rcf switch; Rotor identification; Rotor imbalance protection



### Uncapping block

for S4-100 rotor

Cat. No. 19400041



### SE4-100

for DM0636 & DM0636R

Max. speed: 4000rpm

Max. RCF: 2910×g

Rotor material: stainless steel body and adapter



19400045



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19400043



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Bucket	x 4										
Nominal volume	3-7mL		10mL	12mL	15mL	50mL	100mL	85mL	50mL	15mL	3-7mL
φ×L mm	13×75	13×100	16×100	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						 A100P80 A100P50 A100P15 A100P10				
Package	36						4		4	8	4
Tubes per rotor	36	36	16	16	16	8	4	4	4	8	20
Radius (cm)	1.4	1.65	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.51	1.47
Max RCF (g-force)	2500	2950	2840	2840	2840	2840	2840	2840	2840	2700	2630

## Available rotors

Cat. No. 19400062



### S2-MP

D0636

Max. speed: 4000rpm  
Max. RCF: 2200xg  
Rotor capacity: 2 x Micro-plates 384-PCR; 96-PCR  
Rotor material: stainless steel body and aluminum buckets

Cat. No. 19400034



### AS30-2

D0636

Max. speed: 6000rpm  
Max. RCF: 4020xg  
Rotor capacity: 2mLx30  
Rotor material: aluminum  
Bio-safe sealing: yes

Cat. No. 19400037



### AS60-2

D0636

Max. speed: 6000rpm  
Max. RCF: 4020xg  
Rotor capacity: 2mLx60  
Rotor material: aluminum  
Bio-safe sealing: yes

Cat. No. 19400036



### AS12-PCR8

D0636

Max. speed: 6000rpm  
Max. RCF: 4020xg  
Rotor capacity: PCR 8 tripsx12  
Rotor material: aluminum  
Bio-safe sealing: yes



### Available rotors

Cat. No. 19400038



**AS6-50V**  
DM0636

Max. speed: 6000rpm  
Max. RCF: 4020xg  
Rotor capacity: 50mLx6  
Rotor material: aluminum  
Bio-safe sealing: yes

Cat. No. 19400035



**AS18-5V**  
DM0636

Max. speed: 6000rpm  
Max. RCF: 4020xg  
Rotor capacity: 5mLx18  
Rotor material: stainless steel body and aluminum buckets

Cat. No. 19400039



**A8-50**  
DM0636

Max. speed: 5000rpm  
Max. RCF: 3960xg  
Rotor capacity: 50mLx8 or 15mLx16  
Rotor material: aluminum body and stainless steel adapter

Cat. No. 19400040



**A30-15**  
DM0636

Max. speed: 4500rpm  
Max. RCF: 3210xg  
Rotor capacity: 15mLx30  
Rotor material: aluminum body and stainless steel adapter  
Bio-safe sealing: yes

Capacity	3-7mL Blood collection tube	10mL Blood collection tube	12mL urine tube	15mL
φ×L mm	13×100	16×100	17×105	17×120
Tubes per rotor	30	30	30	30