

# Centrifuges



## D1008 Ezee Mini Micro Centrifuge

### Features

- Ideal for microfiltration and quick spin-downs
- Easy-to-use with dual start/stop function
- 7000rpm fixed speed
- Equipped with 2mL x 8 and PCR8 x 2 rotors
- Quiet running, noise level  $\leq 45$  dB
- Rotor change without tools
- Accelerates and brakes in seconds
- Four colors with green, blue, yellow and pink
- Multi-voltage



### D1008

CE explosion-proof safe test  
IEC/EN61010-2-20

### Specifications

**D1008**

**7000rpms**

**2680xg**

0.2/0.5/1.5/2.0mLx8;  
0.2mLx16 PCR strips or  
0.2mLx2 PCR 8 strips

**DC Motor**

**AC 110-240V 50/60Hz**

**45dB**



Available rotors and adapters

| Centrifuge                  | D1008                                                                             |                                              |
|-----------------------------|-----------------------------------------------------------------------------------|----------------------------------------------|
|                             |  |                                              |
| Rotor P/N                   | A08-2                                                                             | A02-PCR8                                     |
| Cat No.                     | 19400015                                                                          | 19400017                                     |
| Max. speed (rpm)            | 7000                                                                              | 7000                                         |
| Max. RCF (xg)               | 2680                                                                              | 2680                                         |
| Rotor capacity              | 2mL/1.5mLx8<br>0.2mLx8<br>0.5mLx8                                                 | 0.2mLx16 PCR strips<br>0.2 mLx2 PCR 8 strips |
| Rotor material              | High strength plastic                                                             | High strength plastic                        |
| Bio-safe<br>(Bio sealing)   | N/A                                                                               | N/A                                          |
| Available rotor<br>adapters | N/A                                                                               |                                              |
| SA02P2                      | •                                                                                 |                                              |
| SA05P2                      | •                                                                                 |                                              |



Available rotors and adapters

| P/N    | Cat No.  | Descriptions                                              |
|--------|----------|-----------------------------------------------------------|
| SA02P2 | 19200029 | 2mL to 0.2mL rotor adapter, used with A08-2 rotor,8pcs/pk |
| SA05P2 | 19200026 | 2mL to 0.5mL rotor adapter, used with A08-2 rotor,8pcs/pk |



# High Speed Multi-Purpose Centrifuges

## D1536

### High Speed Multi-Purpose Centrifuge

**NEW**

The D1536 Multi-purpose Centrifuge is ideal for the centrifugation of samples in the Medicine Clinical chemistry, Cytology, Chemistry, Pharmacy, Biotechnology, etc.

#### Features

- Speed range from 300 rpm to 15000rpm
- Maximum capacity of the centrifuge: 100 mL x4
- 9 Acceleration/10 Brake speed settings to ensure the sample a better separation
- Comprehensive, versatile range of accessories (swing-out and fixed-angle rotors)
- Automatic rotor identification
- Timer can be set for up to 99 minutes or continuous
- Whisper quiet operation to benefit your work environment
- With the 9 routine procedures memory ability, it is greatly simplified the experiment operation
- Brushless DC motor is maintenance free and safe. Acceleration is fast and effortless to the setting speed.



**D1536**

#### Advantage:

The D1536 Multi-purpose centrifuge is a universal centrifuge with various fixed-angle rotors, swing-out rotors and an extensive range of adapters. swing-out rotor and adapters for standard tubes up to 100 mL at low speed, in addition, this centrifuge can be used for micro-plates, tubes with a screw cap, blood collection tubes or cytology accessories. With the fixed-angle rotors, the max speed can reach 15000rpm, which is ideal for physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical labs and blood donation, and is ideal for high-end research applications.





# High Speed Multi-Purpose Centrifuges

## Specifications

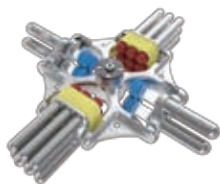
|                      |                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------|
| Speed range [rpm]    | 300-15000                                                                               |
| Speed accuracy[rpm]  | ±20                                                                                     |
| Max. RCF[×g]         | 24000                                                                                   |
| Speed/rcf Switch     | Yes                                                                                     |
| Run Time             | 1min-99min-HOLD(Continuous operation)                                                   |
| Display              | LCD                                                                                     |
| Programs             | 9                                                                                       |
| Rotor Identification | Yes                                                                                     |
| Accel/braking ramps  | 9 ↑ /10 ↓                                                                               |
| Driving Motor        | Brushless DC motor                                                                      |
| Safety Devices       | Door protection; Imbalance protection; Over-speed detection; Over-temperature detection |





## Rotor Features

1



Swing-out rotor, stainless body and stainless tubes

Major application: Large particles, cells and cell debris, Clinical application

Max speed: 4000rpm, Max Rcf: 2830xg.

**S4-100**

100mLx4

| Capacity in mL  | 3-10mL<br>Blood collection tube |        | 10mL<br>Blood collection tube | 12mL urine tube | 15mL   | 50mL   | 100mL  |
|-----------------|---------------------------------|--------|-------------------------------|-----------------|--------|--------|--------|
| φxL mm          | 13x75                           | 13x100 | 15x100                        | 17x105          | 17x120 | 34x100 | 38x104 |
|                 |                                 |        |                               |                 |        |        |        |
|                 |                                 |        |                               |                 |        |        |        |
|                 |                                 |        |                               |                 |        |        |        |
| Tubes per rotor | 36                              | 36     | 16                            | 16              | 16     | 4      | 4      |

2



Fix angle rotor, aluminum body and stainless tubes.

Major application: Large particles, cells and cell debris, Clinical application

Max speed: 4000rpm, max Rcf: 2110xg.

**30-15**

15mLx30

| Capacity        | 3-10mL<br>Blood collection tube | 10mL<br>Blood collection tube | 12mL urine tube | 15mL   |
|-----------------|---------------------------------|-------------------------------|-----------------|--------|
| φxL mm          | 13x75                           | 13x100                        | 17x105          | 17x120 |
| Tubes per rotor | 30                              | 30                            | 30              | 30     |

3



**AS8-50V**

50mLx8

Fix angle rotor, aluminum.

Major application: cell pelleting, separation of DNA, proteins and virus

Max speed: 11000rpm; Max Rcf: 15500xg.

4



**AS12-PCR8**

pcr 8 tripsx12

Fix angle rotor, aluminum.

Major application: PCR application

Max speed: 12000rpm; Max Rcf: 13800xg.

5



**AS30-2**

2mLx30

Fix angle rotor, aluminum.

Major application: sub-cellular organelles pelleting, nucleic acids, viruses, bacteria

Max speed: 15000rpm; Max Rcf: 25150xg.

6



**S2-MP**

Micro-plants

Micro-plate rotor, stainless body and aluminum buckets.

Major application: 384-PCR, 96-PCR

Max speed: 4000rpm; Max Rcf: 2200xg.

# High Speed Micro-Centrifuges

## High Speed Micro Centrifuge

High speed micro-centrifuges are widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers, and is 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 and effortlessly to the set speed
- High accuracy of speed in  $\pm 20$  rpm
- Operation can be timed from 30 seconds to 99 minutes or used in continuous mode
- Timer starts once the target speed reached, for accurate separation time

## Safety and Advantages

### Conforms to international safety standards and regulations

- SCIOLOGEX centrifuges have been tested by TÜV Rheinland company(Germany) and our Centrifuges have passed their CB scheme and marked with CE, cTÜVus and FCC

All test items are positive which according to IEC/EN 61010-1 and MCA test according to IEC/EN61010-2-20, including explosion-proof and bio-safe tests

- Quiet and stable operation for the lab
- High strength metal casing ensures security of 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 opening when run is complete – prevents sample warming and allows easy access to samples (excluding D3024R)
- Easy-to-read display and sound alerts





## D2012 & D2012 plus High Speed Mini Centrifuge

**Aluminum alloy rotor** with high mechanical strength  
Fully autoclavable and unlimited service life

### D2012

With A12-2 aluminum alloy rotor kit



### Powerful personal centrifuge

- Powerful centrifugal force 15100xg and Max speed 15000rpm, serves many applications
- Brushless DC motor drive quickly and effortlessly accelerates the rotor to the set speed
- The rotor is designed for 1.5/2.0mL tubes and smaller 0.2mL and 0.5mL tubes through use of adapters

**High strength plastic rotor with CE mark.**  
Low noise ≤54dB;  
Delivers fast acceleration and deceleration

### D2012 plus

With A12-2P plastic rotor kit



### Conforms to international safety standards and regulations

- **D2012** has tested according to IEC/EN 61010-1
- Cast iron chassis with low gravity, provides stable and reliable running at maximum speed
- Multi voltage design with high speed accuracy and reliable running
- **D2012 Plus** has passed explosion-proof test and marked with CE, cTUVus and FCC. MCA test according to IEC/EN61010-2-20

CE  FCC

The two models are applicable to different software and rotors cannot be swapped with each other



# High Speed Micro-Centrifuges

## D3024 High Speed Micro Centrifuge



CE FC

2-point lid-lock mechanism – ensures secure closure  
Automatic lid opening when run is complete

High strength aluminum alloy rotor can be fully autoclaved with unlimited service life

Special multi-flow air cooling design (Patent No. 201120322916.0) helps keep lower rotor temperature

Intuitive symbols – display run status

Full-digit speed display (rpm/Rcf) – easy identification of parameters

Centrifuge goes into a self diagnostics when switched on and then displays accumulative running time and last running parameters

The short spin function is used for quick spins by pressing and holding PULSE key



Special multi-flow air cooling design protects sensitive samples (D3024)  
FastTemp function for fast pre-cooling and maximum temperature accuracy inside the rotor (D3024R)





### D3024

With AS24-2 aluminum alloy rotor kit

#### Unique Features

- Special multi-flow air cooling design(Patent No. 201120322916.0) helps to keep lower rotor temperature
- Unique cooling system design minimizes rotor heating to less than 10°C after running for 1 hour
- Unique temperature display protects sensitive samples

#### Rotor capacity

- Bio-safe rotor/anti-sample overflow, ensures the sample does not leak in centrifugal process causing microbial contamination
- High strength aluminum alloy rotor can be fully autoclaved, for unlimited service life
- Four rotors are optional, comes with 24 place 1.5/2.0mL tubes and smaller 0.2mL and 0.5mL tubes with the use of adapters



# High Speed Micro-Centrifuges

## D3024R

### High Speed Refrigerated Micro Centrifuge



The lid remains closed after spins to keep the chamber temperature and protect sensitive samples

FastTemp function for fast pre-cooling and maximum temperature accuracy inside the rotor

Powerful and efficient cooling system quickly cools down chamber to 2°C only in 7 minutes and maintains the samples temperature under 2°C at maximum speed with a room temperature at 25°C.



#### Powerful and efficient cooling system

- Pre-cooling provides cool down prior to operation and keeps the chamber at the pre-set temperature
- Powerful cooling system quickly cools down chamber to 2°C after only 7 minutes and maintains the samples temperature under 2°C at maximum speed.
- Sound alert and the lid remains closed after operation to maintain the chamber temperature
- Intermittent temperature control mode, CFC-free refrigerant and low carbon life

#### Rotor capacity

- Bio-safe rotor/anti-sample overflow ensures the samples do not leak during the centrifugal process helps prevent microbial contamination
- High strength aluminum alloy rotor can be fully autoclaved, with unlimited service life
- Four rotors are optional, comes with 1.5/2.0mL x24 tubes. Smaller 0.2mL and 0.5mL tubes can be used with adapters



#### D3024R

With AS24-2 aluminum alloy rotor kit





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

- All of rotors can reach a Max speed of 15000rpm
- Rotors are seated on a tapered shaft, concentric and self-aligning, for running stability at high speeds
- D3024 & D3024R with bio-safe rotors/anti-sample overflow, ensure samples not leak during the centrifugal process which may cause 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 (excludes D2012 plus rotor)
- A powerful and efficient cooling system minimizes rotor heating. D3024 rotors heat up less than 10°C and D2012 rotors heat up less than 8°C after running an hour

## Rotor Features

### Fully autoclavable rotors

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

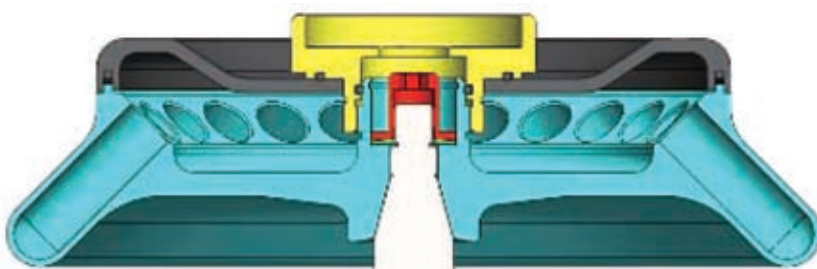
### Bio-safe rotors

D3024 & D3024R rotors are designed to prevent the sample leakage. There are three rubber seals fitted to the rotor to achieve bio-seal condition. The rotor is bio-safe when the centrifuge tubes are enclosed into rotor and the rotor lid is closed.

### Explosion-proof test

SCILOGEX centrifuges are checked under MCA conditions according to IEC/EN61010-2-20, causing disruption by partially cutting and overloading rotor assembly, and guarantees that no part of centrifuge shall become detached in such a way as to present a hazard to personal or the environment.

There are three rubber seals fitted within the rotor to achieve bio-safe condition



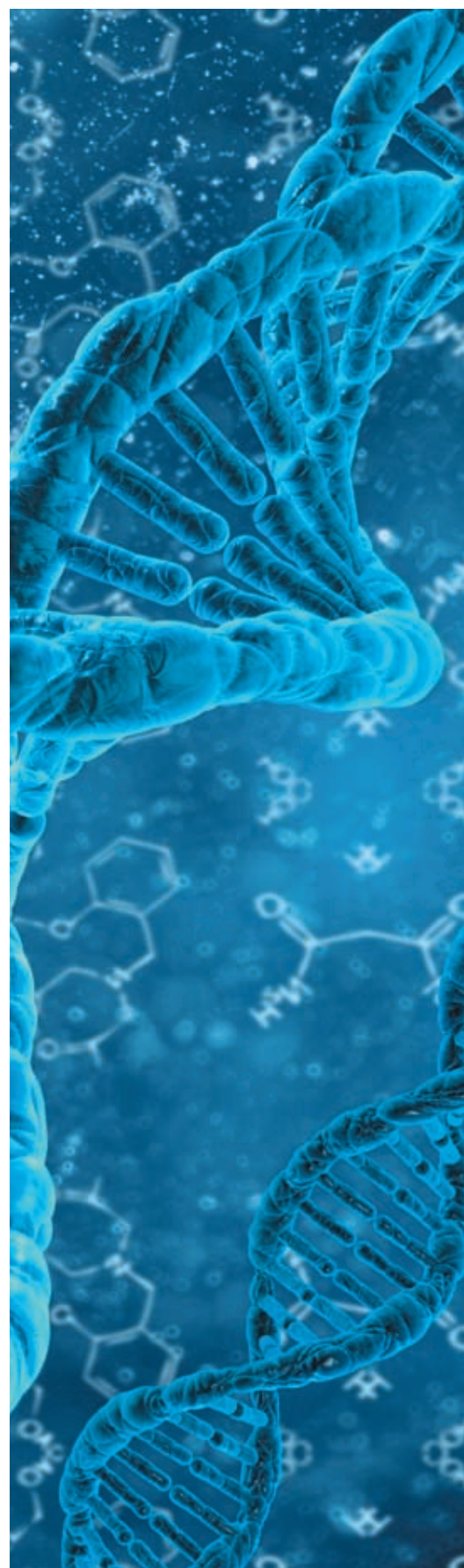
**Seals within the aluminum alloy rotor**



# High Speed Micro Centrifuges

## Specifications

|                                  | D2012 & D2012 plus                                                                                                                                                                                    | D3024                                                                | D3024R                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------|
| Max. Speed [rpm]                 | 15000rpm (500-15000rpm), increment:100rpm                                                                                                                                                             | 15000rpm (200-15000rpm), increment:10rpm                             | 15000rpm (200-15000rpm), increment:10rpm                               |
| Max. RCF [×g]                    | 15100×g, increment:100×g                                                                                                                                                                              | 21380×g, increment:10×g                                              | 21380×g, increment:10×g                                                |
| Speed Accuracy [rpm]             | ±20 rpm                                                                                                                                                                                               | ±20 rpm                                                              | ±20 rpm                                                                |
| Temperature Range                | N/A                                                                                                                                                                                                   | N/A                                                                  | -20°C~40°C                                                             |
| Rotor Capacity                   | 0.2mL/0.5mL/1.5mL/2mL×12                                                                                                                                                                              | 5mL×18;<br>0.2mL/0.5mL/1.5mL/ 2mL×24;<br>0.5mL×36;<br>PCR8×4         |                                                                        |
| Run Time                         | 30sec-99min-HOLD (Continuous operation)                                                                                                                                                               |                                                                      |                                                                        |
| Driving Motor                    | Brushless DC motor                                                                                                                                                                                    |                                                                      |                                                                        |
| Safety Devices                   | Door interlock, Over-speed detection; Over-temperature detection; Automatic internal diagnosis<br>Dual door interlock, Over-speed detection; Over-temperature detection; Automatic internal diagnosis |                                                                      |                                                                        |
| Power                            | Single-phase, AC110V-240V, 50Hz/60Hz, 3A                                                                                                                                                              | Single-phase, AC220V-240V, 50Hz/60Hz, 5A; AC110V-120V, 50Hz/60Hz, 8A | Single-phase, AC220V-240V, 50Hz/60Hz, 10A; AC110V-120V, 50Hz/60Hz, 10A |
| Noise level [dB]                 | ≤56(D2012)<br>≤54(D2012 plus)                                                                                                                                                                         | ≤58                                                                  | ≤56                                                                    |
| Acceleration /Braking time [Sec] | 25s ↑ 25s ↓ (D2012)<br>11s ↑ 9s ↓ (D2012 plus)                                                                                                                                                        | 25s ↑ 25s ↓                                                          | 25s ↑ 25s ↓                                                            |
| Dimensions [mm]                  | (L)255×(D)245×(H)140                                                                                                                                                                                  | (L)280×(D)364×(H)266                                                 | (L)338×(D)580×(H)324                                                   |
| Weight                           | 6kg                                                                                                                                                                                                   | 12kg                                                                 | 30kg                                                                   |
| Additional Features              | Speed/RCF switch; Short-time run function; sound-alert function                                                                                                                                       |                                                                      |                                                                        |





## Available rotors and adapters



| Centrifuges            | D2012                                                                             | D2012 plus                                                                        | D3024 & D3024R                                                                    |                                                                                    |                                                                                     |                                                                                     |
|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                        |  |  |  |  |  |  |
| Rotor P/N              | A12-2                                                                             | A12-2P                                                                            | AS24-2                                                                            | AS18-5                                                                             | AS36-05                                                                             | AS4-PCR8                                                                            |
| Cat No.                | 19400001                                                                          | 19400009                                                                          | 19400002                                                                          | 19400011                                                                           | 19400003                                                                            | 19400004                                                                            |
| Max. speed (rpm)       | 15000                                                                             | 15000                                                                             | 15000                                                                             | 15000                                                                              | 15000                                                                               | 15000                                                                               |
| Max. RCF (xg)          | 15100                                                                             | 15100                                                                             | 21380                                                                             | 21380                                                                              | 21380                                                                               | 21380                                                                               |
| Rotor capacity         | 2mL/1.5mLx12<br>0.2mLx12<br>0.5mLx12                                              | 2mL/1.5mLx12<br>0.2mLx12<br>0.5mLx12                                              | 2mL/1.5mLx24<br>0.2mLx24<br>0.5mLx24                                              | 5mLx18                                                                             | 0.5mLx36<br>0.2mLx36                                                                | 0.2mL/PCR8x4                                                                        |
| Rotor material         | Aluminum alloy                                                                    | High strength plastic                                                             | Aluminum alloy                                                                    |                                                                                    |                                                                                     |                                                                                     |
| Bio-safe (Bio sealing) |                                                                                   |                                                                                   | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   |
| Rotor adapters         |                                                                                   |                                                                                   |                                                                                   | N/A                                                                                |                                                                                     | N/A                                                                                 |
| A02P2                  | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                    |                                                                                     |                                                                                     |
| A05P2                  | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                    |                                                                                     |                                                                                     |
| A02P05                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    | •                                                                                   |                                                                                     |

## Available rotor adapters



| P/N    | Cat No.  | Descriptions                                                                            |
|--------|----------|-----------------------------------------------------------------------------------------|
| A02P2  | 19500001 | 2mL to 0.2mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk |
| A05P2  | 19500002 | 2mL to 0.5mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk |
| A02P05 | 19500003 | 0.5mL to 0.2mL rotor adapter, used with AS36-05 rotor, 36pcs/pk                         |



# Multi-Purpose Clinical Centrifuges

**NEW**

## DM0636

### Multi-Purpose Clinical Centrifuge

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

Swing-out rotors and adapters are used for standard tubes up to 100 mL at low speed, in addition, this centrifuge can be used for tubes with a screw cap, blood collection tubes or urine tubes.

#### Features

- Speed can be set from 300 rpm to a max. of 6000 rpm
- Maximum capacity of the centrifuge: 100 mL x4
- 9 Acceleration/10 Brake speed settings to ensure the sample a better separation
- Swing-out and fixed rotors options
- comprehensive, versatile range of accessories
- Automatic rotor identification
- Timer can be set for up to 99 minutes or continuous
- Whisper quiet operation to benefit your work environment
- With the 9 routine procedures memory ability, it is greatly simplified the experiment operation
- Brushless DC motor is clean, maintenance free and safe. It can drive quickly and effortlessly acceleration of the rotor to set speed.



**DM0636**

## Specifications

|                      |                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------|
| Speed range [rpm]    | 300-6000                                                                                |
| Speed accuracy[rpm]  | ±20                                                                                     |
| Max. RCF[×g]         | 4170                                                                                    |
| Speed/rcf Switch     | Yes                                                                                     |
| Run Time             | 1min-99min-HOLD(Continuous operation)                                                   |
| Display              | LCD                                                                                     |
| Programs             | 9                                                                                       |
| Rotor Identification | Yes                                                                                     |
| Accel/braking ramps  | 9 ↑ /10 ↓                                                                               |
| Driving Motor        | Brushless DC motor                                                                      |
| Safety Devices       | Door protection; Imbalance protection; Over-speed detection; Over-temperature detection |

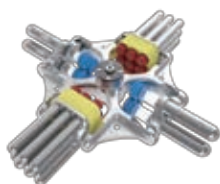


## Multi-Purpose Clinical Centrifuges



## Rotor Features

# 1



Swing-out rotor, stainless body and stainless tubes

Major application: Clinical application, large particles, cells and cell debris

Max speed: 4000rpm, Max Rcf: 2830×g.

**S4-100**

100mL×4

| Capacity in mL  | 3-10mL<br>Blood collection tube |        | 10mL<br>Blood collection tube | 12mL urine tube | 15mL   | 50mL   | 100mL  |
|-----------------|---------------------------------|--------|-------------------------------|-----------------|--------|--------|--------|
| φ×L mm          | 13×75                           | 13×100 | 15×100                        | 17×105          | 17×120 | 34×100 | 38×104 |
|                 |                                 |        |                               |                 |        |        |        |
|                 |                                 |        |                               |                 |        |        |        |
|                 |                                 |        |                               |                 |        |        |        |
| Tubes per rotor | 36                              | 36     | 16                            | 16              | 16     | 4      | 4      |

# 2



Fix angle rotor, aluminum body and stainless tubes.

Major application: Clinical application, large particles, cells and cell debris

Max speed: 5000rpm, Max Rcf: 3300×g.

**30-15**

15mL×30

| Capacity        | 3-10mL<br>Blood collection tube | 10mL<br>Blood collection tube | 12mL urine tube | 15mL   |
|-----------------|---------------------------------|-------------------------------|-----------------|--------|
| φ×L mm          | 13×75                           | 13×100                        | 17×105          | 17×120 |
| Tubes per rotor | 30                              | 30                            | 30              | 30     |

# 3



**AS8-50V**

50mL×8

Fix angle rotor, aluminum.

Major application: Clinical application

Max speed: 6000rpm; Max Rcf: 4610×g.



# Clinical Centrifuges

Clinical centrifuges are widely used in the separation of serum, plasma, urea, blood samples and other routine applications in hospital and research laboratories.

## Safety and Advantages

### Conforms to international safety standards and regulations

- SCIOGEX clinical centrifuges have passed the explosion-proof test and marked with CE, cTUVus and FCC. 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 and excellent balance technology to guarantee a quiet and stable operation
- Dual protection casing provides safe and reliable running
- Brushless DC motor drive quickly and effortlessly accelerates the rotor to set speed



## Precise control

- CPU controls all operating parameters including speed and time
- High accuracy of speed
- Operation can be timed from 30 seconds to 99 minutes or continuous running
- Timer commences once the set speed is reached, so the separation time is more accurate
- Gentle braking at low speeds with efficient separation

## Ergonomic design

- User-friendly large LCD display show all information
- RPM or G-force can be set and displayed
- Parameters can be modified after the set speed is reached
- Quick spins are possible by pressing and holding PULSE key  
The centrifuge speed can be accelerated and held at the target speed
- Automatic release the lid when operation has stopped to save processing time
- Easy-to-read processing display and sound alert





## Clinical Centrifuges

The DM0412&DM0412E clinical centrifuges are practical centrifuges for use with small sample volumes. The centrifuges are supplied with an angle rotor that can hold up to 15mLx8 or 10mL/7mL/5mLx12 vacuum tubes.

They are widely used in medical and veterinary practices for the centrifugation of blood and urine samples, in environmental analyses for the clarification of water and soil samples or in schools and other educational facilities as an aid for teaching.

### DM0412 Clinical Centrifuge

#### Unique Features

- Micro-computer control, that gives high accuracy speed control.
- Digital LCD display, can show the real-time parameters and have the symbol showing the experimental process
- Set and display rotor speed shown in RPM or G-force
- Brushless DC motor, it is no pollution and free maintenance
- The short spin function is used for quick spins by pressing and holding PULSE key
- Built with electrical lock, automatic release the lid when rotor stops to save processing time and prevents samples overheating
- Go into a self-diagnostic check when switched on and then displays accumulative running time and last running parameters



CE FC

DM0412



## DM0412E Clinical Centrifuge

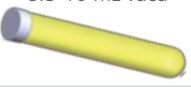
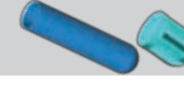
### Features

- Max. speed is 4500rpm
- Precise control speed and time with efficient separation
- Faster acceleration and deceleration
- Suit for 15mL cell culture tubes and full line of collection tubes, ideal for a clinical lab
- Rotor capability : 15mLx8 or 10mL/7mL/5mLx12



DM0412E

### Available rotor and adapters

| Rotor type                                                                                  | Available tubes                                                                                                    | Tube quantity | Dimension (Φ×L mm) | Adapters                                                                                           | Maximum speed(rpm) | Radius (cm) | Maximum RCF (×g) |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------------------------------------------------------------------------------------|--------------------|-------------|------------------|
|  A12-10P |  15mL con                       | 8             | 17×120             |                                                                                                    | 4500               | 11          | 2490             |
|                                                                                             |  1.5-5mL vacu                   | 12            | 13×82              |  A10P15 & Plug | 4500               | 9.8         | 2218             |
|                                                                                             |  4-7 mL vacu                    | 12            | 13×106             |  A10P15         | 4500               | 11          | 2490             |
|                                                                                             |                                                                                                                    |               | 16×75              |                                                                                                    |                    | 9.8         | 2218             |
|                                                                                             |  8.5-10 mL vacu                 | 12            | 16×107             |                                                                                                    | 4500               | 11          | 2490             |
|                                                                                             |  2.7-3 mL(EU) collection tube   | 12            | 11×66              |  A10P15 & Plug | 4500               | 9.8         | 2218             |
|                                                                                             |  7.5-8.2 mL(EU) collection tube | 12            | 15×92              |  A10P15         | 4500               | 11          | 2490             |

REMARK: A12-10P rotor is made of plastic and cannot be autoclaved or UV irradiation, only ordinary sterilization can be used.

## DM1424

### Hematocrit Centrifuge

Our hematocrit centrifuge with AC24P hematocrit rotor is used for determination of volume fractions of erythrocytes in blood for diagnostic purposes and doping tests. Also it is used to derive plasma for the photometric determination of the bilirubin content of the blood of neonates.

Hematocrit centrifuge with A24-2P tube rotor is suit for 1.5/2mL tubes, which can be used for extraction of DNA and RNA.



CE  FC



#### DM1424

AC24P hematocrit rotor kit with a lid and a reading disk

### Features

- Speed range of 200-14000rpm, Max. RCF 18620×g
- Precise control speed and time with efficient separation
- LCD digital display
- Brushless DC motor
- Pulse operation for quick spins
- Rotor capacity: Hematocrit rotor: 24 capillary Max. speed: 12000rpm  
Tube rotor: 1.5/2mL×24 Max. speed: 14000rpm



## Specifications

|                                  | DM0412                                                                | DM0412E                                                                      | DM1424                                                                                                                                |
|----------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Max. Speed [rpm]                 | 300-4500, increment: 100                                              | 4500, increment: continue                                                    | 200-14000, increment: 10                                                                                                              |
| Max. RCF [xg]                    | 2490xg, increment: 100xg                                              | 2490xg, increment: continue                                                  | 18620xg, increment: 10xg                                                                                                              |
| Speed Accuracy [rpm]             | ±20                                                                   | -                                                                            | ±30                                                                                                                                   |
| Rotor Capacity                   | 10mL/7mL/5mL×12;<br>15mL×8                                            | 10mL/7mL/5mL×12;<br>15mL×8                                                   | Tube rotor: 1.5/2mL×24<br>(14000rpm);<br>Hematocrit rotor:<br>capillary tubes ×24<br>(12000rpm)                                       |
| Run Time                         | 30sec-99min-HOLD<br>(Continuous operation)                            | 0-30min                                                                      | 30sec-99min-HOLD<br>(Continuous operation)                                                                                            |
| Driving Motor                    | Brushless DC motor                                                    | DC motor                                                                     | Brushless DC motor                                                                                                                    |
| Safety Devices                   | Door interlock, Over-speed detector;<br>Automatic internal diagnosis  | Door interlock, Over-speed detection                                         | Door interlock, Over-speed detector;<br>Over-temperature detector;<br>Automatic internal diagnosis;<br>Automatic rotor identification |
| Power                            | Single-phase,<br>110V-240V, 50Hz/60Hz,<br>3A                          | Single-phase,<br>220V-240V, 50Hz/60Hz,<br>3A;<br>110V-120V, 50Hz/60Hz,<br>3A | Single-phase,<br>220V-240V, 50Hz/60Hz,<br>5A;<br>110V-120V, 50Hz/60Hz,<br>5A                                                          |
| Noise level [dB]                 | ≤56                                                                   | ≤56                                                                          | ≤60                                                                                                                                   |
| Acceleration /Braking time [Sec] | 20s ↑ 20s ↓                                                           | 25s ↑ 25s ↓                                                                  | 20s ↑ 20s ↓                                                                                                                           |
| Dimensions [mm]                  | (L)255 ×(W)245×(H)140                                                 | (L)255 ×(W)245×(H)140                                                        | (L)280×(W)364×(H)266                                                                                                                  |
| Weight                           | 6 kg                                                                  | 6 kg                                                                         | 10kg                                                                                                                                  |
| Additional Features              | Speed/RCF switch;<br>Short-time run function;<br>sound-alert function | sound-alert function                                                         | Speed/RCF switch;<br>Short-time run function;<br>sound-alert function                                                                 |





## Available rotors and adapters



| Centrifuges      | DM0412                                                                            | DM0412E                                                                           | DM1424                                                                             |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  |  |  |  |  |
| Rotor P/N        | A12-10P                                                                           | A12-10P                                                                           | A24- 2P                                                                            | AC24P                                                                               |
| Cat No.          | 19200348                                                                          | 19200358                                                                          | 19400019                                                                           | 19400014                                                                            |
| Max. speed (rpm) | 4500                                                                              | 4500                                                                              | 14000                                                                              | 12000                                                                               |
| Max. RCF (xg)    | 2490                                                                              | 2490                                                                              | 18620                                                                              | 13680                                                                               |
| Rotor capacity   | 15mLx8<br>10mL/5mL/7mLx12                                                         | 15mLx8<br>10mL/5mL/7mLx12                                                         | 2mL/1.5mLx24<br>0.2mLx24<br>0.5mLx24                                               | capillary tubes x24                                                                 |
| Rotor material   | High strength plastic                                                             | High strength plastic                                                             | High strength plastic                                                              | High strength plastic                                                               |
| Rotor adapters   |                                                                                   |                                                                                   |                                                                                    | N/A                                                                                 |
| A02P2            |                                                                                   |                                                                                   | •                                                                                  |                                                                                     |
| A05P2            |                                                                                   |                                                                                   | •                                                                                  |                                                                                     |
| A10P15 & Mat     | •                                                                                 | •                                                                                 | •                                                                                  |                                                                                     |

## Available Rotor adapters



| P/N    | Cat. No. | Descriptions                                                                            |
|--------|----------|-----------------------------------------------------------------------------------------|
| A02P2  | 19500001 | 2mL to 0.2mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk |
| A05P2  | 19500002 | 2mL to 0.5mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk |
| A10P15 | 19200027 | Rotor adapter, used with A12-10P, 12pcs/pk                                              |
|        | 19200028 | Rotor adapter mat, used with A10P15, 12pcs/pk                                           |