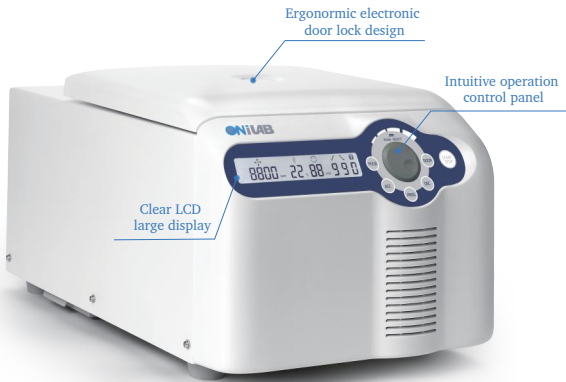


# D1524R

## High-speed Refrigerated Micro Centrifuge



## Applications

Ideal for centrifugation of temperature sensitive samples, such as live cells, animals or proteins. It allows them to be used in a multitude of applications, including pelleting of DNA and RNA samples, pelleting of PCR amplified nucleic acids, separation of antibody and protein precipitates, performing enzymatic tests, removing cell debris from cell homogenates, and achieving bacterial and yeast cell fractionation.



## Features

- Electronic Magnetic door locking system – the lid can be closed with one hand soft touch
- Precooling, the compressor automatically starts cooling as long as the set temperature is lower than the ambient temperature
- Sound indicator at the end of running.
- Temperature range  $-20^{\circ}\text{C}$  to  $40^{\circ}\text{C}$
- Short pre-cooling time of only 7minutes from room temperature to  $4^{\circ}\text{C}$
- Up to 9 program storage capacity
- 3-layer sealed rotors ensure safe centrifugation
- High-strength aluminum alloy rotor can be fully autoclavable at  $121^{\circ}\text{C}$
- Rotor imbalance detection alarm
- Adjustable acceleration/deceleration at 9 levels allows gentle braking at low speed for better separation
- Five rotors with 0.2mL, 0.5mL, 1.5mL, 2mL and 5mL centrifuge tubes/ PCR tubes capacity
- An external condensation tank prevents water accumulation within centrifuge chamber

Specifications	D1524R
Max. Speed	15,000rpm (200–15,000rpm) in 100rpm increments.
Max. RCF	21,380 $\times$ g, step: 10 $\times$ g
Capacity	1.5/2mL $\times$ 24, 0.2/0.5mL $\times$ 36, PCR-8 strips $\times$ 4, 5mL $\times$ 12, 5mL $\times$ 18
Temperature setting	$-20^{\circ}\text{C}$ – $40^{\circ}\text{C}$
Run Time	30s–99 min; HOLD (continuous running)
Acceleration and deceleration time	25s $\uparrow$ 25s $\downarrow$
Motor type	Brushless DC motor
Safety Performance	Dual door lock, over-speed detection, over-temperature detection with Internal diagnosis system.
Power Requirements	Single-phase, 100–120V/200–240V, 50Hz/60Hz, 500W
Noise	$\leq$ 56dB
Dimensions[WxDxH]	332 $\times$ 553 $\times$ 283mm
Weight	30kg
Certification	CE cTUVus FCC
Other functions	Rotation speed/RCF switchover, inching operation, running processindicator, sound alert. Adjustable acceleration/deceleration at 9 levels program storage capacity.

## Available rotors

### AS24-2 Cat. No.19400069

for D3024 & D1524R

Max. speed: 15000rpm

Max. RCF: 21380 × g

Rotor capacity:

2mL/1.5mL × 24/0.2mL × 24/0.5mL × 24

Rotor material: Aluminum alloy

Biosealing: Yes

Available rotor adapters: A02P2,A05P2



### AS18-5 (round bottom) Cat. No.19400073

for D3024 & D1524R

Max. speed :15000rpm

Max. RCF:21380 × g

Rotor capacity:5mL × 18 ( Round bottom)

Rotor material:Aluminum alloy

Biosealing:Yes



### AS12-5V (cone bottom) Cat. No.19400070

for D3024 & D1524R

Max. speed: 15000rpm

Max. RCF: 21380 × g

Rotor capacity: 5mL × 12(Cone bottom)

Rotor material: Aluminum alloy

Biosealing: 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



### AS36-05 Cat. No.19400071

for D3024 & D1524R

Max. speed: 15000rpm

Max. RCF: 21380 × g

Rotor capacity: 0.5mL × 36,0.2mL × 36

Rotor material: Aluminum alloy

Biosealing: Yes

Available rotor adapters: A02P05



### A05P2 Cat. No.19500002

0.5mL rotor adapter

Used with A12-2, A12-2P, AS24-2 and A24-2P rotors 24pcs/pk



### AS4-PCR8 Cat. No.19400072

for D3024 & D1524R

Max. speed: 15000rpm

Max. RCF: 21380 × g

Rotor capacity:0.2mL/PCR8 × 4

Rotor material: Aluminum alloy

Biosealing: Yes



### A02P05 Cat. No.19500003

0.2mL rotor adapter

Used with AS36-05 rotor 36pcs/pk

