

**CAT NUMBER: 901311121**

# 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 figure 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°C to 40°C
- Short pre-cooling time of only 7minutes from room temperature to 4°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°C
- Rotor imbalance detection alarm
- Acceleration/ deceleration in 9 steps, 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

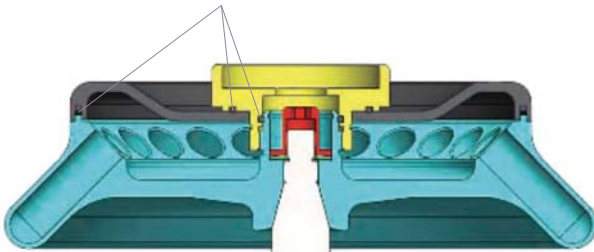
Specifications	D1524R
Max. Speed	15,000rpm (200–15,000rpm) in 100rpm increments.
Max. RCF	21,380 × g, step: 10 × g
Capacity	1.5/2mL × 24, 0.5mL × 36, PCR8 × 4, 5mL × 12, 5mL × 18.
Temperature setting	-20°C– 40°C
Run Time	30s–99 min; HOLD (continuous running)
Acceleration and deceleration time	25s ↑ 25s ↓
Motor Type	Brushless DC motor
Safety Performance	Dual door lock, over-speed detection, over-temperature detection with Internal diagnosis system.
Power Requirements	Single-phase, 200V–240V, 50Hz/60Hz, 500W/100V–120V, 50Hz/60Hz, 500W
Noise	≤56dB
Dimensions[WxDxH]	332 × 553 × 283mm
Weight	30kg
Certification	CE cTUVus FCC
Other functions	Rotation speed/RCF switchover, inching operation, running process indicator, sound alert. Acceleration/ deceleration in 9 steps, program storage capacity.

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

- Every rotor can reach a maximum Speed of 15000rpm
- Rotors are seated on a tapered shaft, concentric and self-aligning, perfect to achieve running stability at high speeds
- D3024 & D1524R with three-layer sealed rotors/ anti- sample overflow prevents accidental leakage
- D3024 & D3024R rotors have passed MCA test according to IEC/EN61010-2-20, including mechanical safety and bio-safety tests
- Powerful cooling system minimizes rotor heating. D3024 rotors maintain at 10°C and D2012 rotors less than 8°C after running an hour

## Seals within the aluminum alloy rotor

Three rubber seals fitted to achieve bio-safe condition



## Rotor Features

### Fully autoclavable

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

### Three-layer seal

D3024 & D1524R rotors are designed to prevent sample leakage. Each and every rotor is hermetically sealed by three rubber seals.

### Mechanical safety

DLAB centrifuges confirm to MCA standard IEC/EN61010-2-20, causing disruption by partially cutting and overloading rotor assembly, and guarantees that no part shall be detached to cause danger to person or the environment.

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

## Aluminum alloy rotor kit with lid fixing clips and Oring 15000rpm 2ml1.5ml24 CAT NUMBER: 19400069


### Available rotors

AS24-2	Cat. No.19400069
<b>for D3024 &amp; D1524R</b> Max. speed: 15000rpm Max. RCF: 21380 × g Rotor capacity: 2mL/1.5mL × 24/0.2mL × 24/0.5mL × 24 Rotor material: Aluminum alloy Bio-safe(Bio sealing): Yes Available rotor adapters: A02P2,A05P2	
	


AS18-5 (round bottom)	Cat. No.19400073
<b>for D3024 &amp; D1524R</b> Max. speed :15000rpm Max. RCF:21380 × g Rotor capacity:5mL × 18 ( Round bottom) Rotor material:Aluminum alloy Bio-safe(Bio sealing):Yes	
	

AS12-5V (cone bottom)	Cat. No.19400070
<b>for D3024 &amp; D1524R</b> Max. speed: 15000rpm Max. RCF: 21380 × g Rotor capacity: 5mL × 12(Cone bottom) 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	
	

AS36-05	Cat. No.19400071
<b>for D3024 &amp; D1524R</b> Max. speed: 15000rpm Max. RCF: 21380 × g Rotor capacity: 0.5mL × 36,0.2mL × 36 Rotor material: Aluminum alloy Bio-safe(Bio sealing): 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
<b>for D3024 &amp; D1524R</b> Max. speed: 15000rpm Max. RCF: 21380 × g Rotor capacity:0.2mL/PCR8 × 4 Rotor material: Aluminum alloy Bio-safe(Bio sealing): Yes	
	

A02P05	Cat. No.19500003
0.2mL rotor adapter Used with AS36-05 rotor 36pcs/pk	
