

## 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 ≤54dB.
- 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	21380xg, increment:10xg	21380xg, increment: 10xg
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 cTÜVus FCC MCA	CE cTÜVus 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.

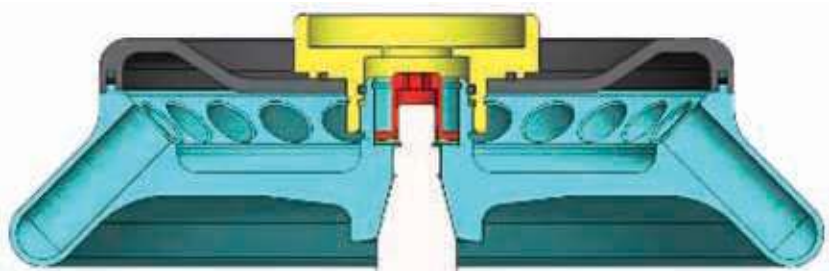
### Explosion-proof

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: 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

Cat. No. 19400032



### AS12-V5

for D3024 & D3024R

Max. speed: 15000rpm  
Max. RCF: 21380×g  
Rotor capacity: 5mL×12(Eppendorf tube)  
Rotor material: Aluminum alloy  
Bio-safe(Bio sealing): Yes

Cat. No. 19400007



### AS36-05

for D3024 & D3024R

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

Cat. No. 19400008



### AS4-PCR8

for D3024 & D3024R

Max. speed: 15000rpm  
Max. RCF: 21380×g  
Rotor capacity: 0.2mL/PCR8×4  
Rotor material: Aluminum alloy  
Bio-safe(Bio sealing): Yes

Cat. No. 19400012



**AS18-5**

for D3024 & D3024R

Max. speed :15000rpm  
 Max. RCF:21380×g  
 Rotor capacity:5mL×18 ( 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

