

D3024 series

D3024

High Speed Micro Centrifuge

Unique Features

- Special multi-flow air cooling design with patent ensures fast cooling of the rotor and low energy consumption
- Unique temperature display appropriate for gentle handling of sensitive samples
- Bio-safe rotor/anti-sample overflow prevents accidental leakage during centrifugal process allowing risk-free microbial contamination
- High strength aluminum alloy rotor can be fully autoclaved for unlimited service life
- Four rotors are optional complete with 24 places 1.5/2.0mL tubes, bigger 5.0mL, smaller 0.2mL and 0.5mL tubes with adapters



D3024R

High Speed Refrigerated Micro Centrifuge

Powerful cooling system for precise temperature control

- Pre-cooling program ensures optimal protection of the sample before warming
- Guaranteed 2°C cooling within only 7 minutes of both chamber and samples even at maximum speed and capacity utilization
- Sound-alert allows your undivided attention on other tasks warming
- Lid lock facility allows for internal temperature maintenance even after centrifugation
- Intermittent temperature control mode, CFC-free refrigerant and low carbon life rotor capacity
- Bio-safe rotor/anti-sample overflow prevents accidental leakage during centrifugal process allowing risk-free microbial contamination
- High strength aluminum alloy rotor can be fully autoclaved for unlimited service life
- Four rotors are optional complete with 24 place 1.5/2.0mL tubes, bigger 5.0mL, smaller 0.2mL and 0.5mL tubes with the use of adapters
- Quiet running, noise level ≤ 54 dB





Brushless DC motor



Wide range of rotors



CE FC



CE FC

Specifications

	D3024	D3024R
Max. Speed	15000rpm (200-15000rpm), increment:10rpm	15000rpm (200-15000rpm), increment:10rpm
Max. RCF	21380×g, increment:10×g	21380×g, increment: 10×g
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, AC220V-240V, 50Hz/60Hz, 5A, AC110V-120V, 50Hz/60Hz, 8A 200W	Single-phase, AC220V-240V, 50Hz/60Hz, 10A, AC110V-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 cTUVus FCC MCA	CE cTUVus FCC MCA
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function	Speed/RCF switch; Short-time run function; sound-alert function





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 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 > 10oC and D2012 rotors less than 8oC after running an hour

Seals within the aluminum alloy rotor

Rotor Features

Fully autoclavable

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

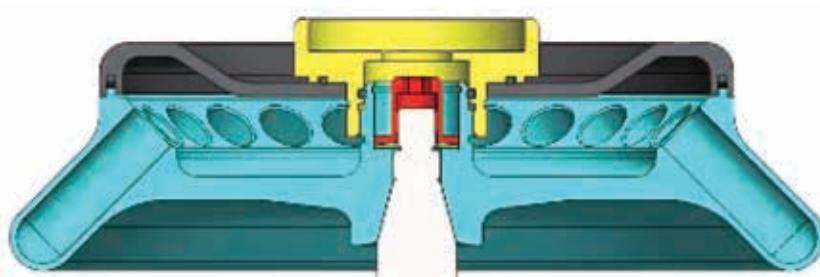
Bio-safe

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

DLAB 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.

Three rubber seals fitted to achieve bio-safe condition



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

AS12-5V for D3024 & D3024R

Max. speed :15000rpm
 Max. RCF:21380×g
 Rotor capacity:5mL×12(culture 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

D3024 series | Rotors and Adapters



Cat. No. 19400012

AS18-5

for D3024 & D3024R

Max. speed :15000rpm

Max. RCF:21380×g

Rotor capacity:5mL×18

Rotor material:Aluminum alloy

Bio-safe(Bio sealing):Yes

Available adapters



Cat. No. 19500001

A02P2

0.2mL rotor adapter

Used with A12-2, A12-2P, AS24-2 and A24-2P rotors

24pcs/pk

Cat. No. 19500002

A05P2

0.5mL rotor adapter

Used with A12-2, A12-2P, AS24-2 and A24-2P rotors

24pcs/pk

Cat. No. 19500003

A02P05

0.2mL rotor adapter

Used with AS36-05 rotor

36pcs/pk





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