D3024

High Speed Micro Centrifuge



Brushless DC motor

Wide range of rotors

Features

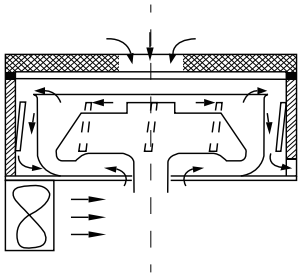
- Double cooling air design ensures fast cooling of the rotor and low energy consumption
- 3-layer sealed rotors ensure safe centifugation
- Brushless motor drive, maintenance free
- Safety features include door interlock; excessive speed and temperature detection; automatic self-diagnostics
- Outstanding aluminum alloy rotors fully autoclavable at 121°C temperature and high pressure disinfection
- Five rotors are optional complete with 24 places 1.5/2.0mL tubes,5.0mL, 0.2mL and 0.5mL tubes with adapters

Applications

Suitable for numerous biological, chemistry, clinical and research applications including molecular biology, clinical chemistry labs, wide variety of microbiology applications, such as DNA, RNA or protein isolation and many more.

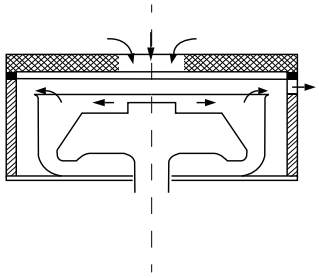


Effective Ventilation System



Double cooling air design, enforcing air cooling from both the upper and lower side for the rotor.

Conventional design



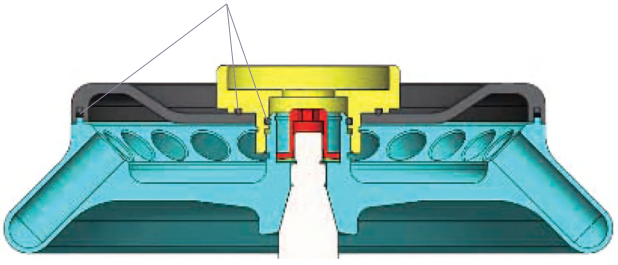
Limited ventilation on the upper side of the rotor

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 & D1524R 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 D1524R 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	1.5/2mL×24,0.2/0.5mL×36, PCR-8 strips×4,5mL×12,5mL×18
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 Requirements	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
Other functions	Speed/RCF switch; Short-time run function; sound-alert function

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



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



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



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



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



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

