

TECHNICAL DATA SHEET

ALab™ D3024 High-Speed Micro Centrifuge

High Speed Micro Centrifuge • 15000rpm / 21380×g • double cooling air design



ALab™ D3024 High-Speed Micro Centrifuge

The ALab™ D3024 High Speed Micro Centrifuge. Image shown for reference.

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SECTION I

Product Overview

The ALab™ D3024 is a high speed micro centrifuge (15000rpm, 21380×g) with a double cooling air design, a maintenance-free brushless DC motor and 3-layer sealed, autoclavable aluminum alloy rotors.

Speed accuracy ±20 rpm; run time 30sec–99min/Continuous; acceleration/braking 25s up / 25s down; dual door interlock and over-speed detection; noise ≤64dB; 280×364×266mm; 12kg.

SECTION II

Core Advantages

- **Speed / RCF** — 15000rpm / 21380×g
- **Motor** — brushless DC
- **Autoclave** — 121°C
- **Cooling** — double cooling air
- **Rotors** — 3-layer sealed
- **Safety** — door interlock

SECTION III

Specifications

Technical data — D3024

Specifications	
Brand	ALab™ by ACS Material
Model	D3024
SKU #	ALD32400
Max. speed	15000rpm (200–15000rpm), increment: 10rpm
Max. RCF	21380×g, increment: 10×g
Speed accuracy	±20 rpm
Rotor capacity	36×0.2/0.5mL, 24×1.5/2mL, 4×0.2mL PCR 8-tube strip, 12×5mL (cone bottom), 18×5mL (round bottom)
Run time	30sec–99min/Continuous
Acceleration/braking time [sec]	25s up / 25s down
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

Rotor overview — D3024

Rotor overview				
Rotor	Cat. No.	Max. speed	Max. RCF	Capacity
AS24-2	19400069	15000rpm	21380×g	24×0.2/0.5/1.5/2mL
AS18-5 (round bottom)	19400073	15000rpm	21380×g	18×5mL (round bottom)
AS12-5V (cone bottom)	19400070	15000rpm	21380×g	12×5mL (cone bottom)
AS36-05	19400071	15000rpm	21380×g	36×0.2/0.5mL
AS4-PCR8	19400072	15000rpm	21380×g	32×0.2mL or 4×0.2mL PCR 8-tube strip

SECTION IV

Applications

Molecular biology, clinical chemistry, microbiology and research; DNA, RNA or protein isolation.

Product value: fast rotor cooling with low energy consumption, a maintenance-free motor and a set of autoclavable 3-layer sealed rotors.

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