

TECHNICAL DATA SHEET

ALab™ D1524 High-Speed Micro Centrifuge & D1524C Hematocrit Centrifuge

High-speed Micro Centrifuge • D1524C Hematocrit Centrifuge • 15,000 / 12,000rpm • LCD



ALab™ D1524 High-Speed Micro Centrifuge & D1524C Hematocrit Centrifuge

The ALab™ D1524 and D1524C. Series image shown for reference.

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SECTION I

Product Overview

The ALab™ D1524 High-speed Micro Centrifuge (15,000rpm, 21,380×g) and D1524C Hematocrit Centrifuge (12,000rpm, 13,680×g) share an LCD, a brushless DC motor, nine acceleration/deceleration rates and 9 program memories.

Run time 30s–99min or HOLD; acceleration and deceleration 25s up / 25s down; dual door lock, over-speed and over-temperature detection; noise ≤64dB / ≤65dB; 280×400×240mm; 8.8kg.

SECTION II

Core Advantages

- **D1524** — 15,000rpm / 21,380×g
- **Control** — LCD, 9 programs
- **Lid** — one-handed closure
- **D1524C** — 12,000rpm / 13,680×g
- **Motor** — brushless DC
- **Safety** — dual lock

SECTION III

Specifications

Technical data — D1524 · D1524C

Specifications	
Brand	ALab™ by ACS Material
Model	D1524 / D1524C
SKU #	ALD52S00
Run time	30s–99min; HOLD (continuous running)
Acceleration and deceleration time	25s up / 25s down
Motor type	Brushless DC motor
Safety performance	Dual door lock, over-speed detection, over-temperature detection with internal diagnosis system.
Power requirements	Single-phase, 200–240V, 50/60Hz, 210W; 100–120V, 50/60Hz, 200W
Dimensions [W×D×H]	280×400×240mm
Weight	8.8kg
Other functions	Rotation speed/RCF switchover, inching operation, running process indicator, sound alert. Adjustable acceleration/deceleration at 9 levels, program storage capacity.

Specifications by model — D1524 · D1524C

Specifications by model		
Parameter	D1524	D1524C
Max. speed	15,000rpm (200–15,000rpm) in 100rpm increments.	12,000rpm (200–12,000rpm) in 100rpm increments.
Max. RCF	21,380×g, step: 10×g	13,680×g, step: 10×g
Capacity	24×1.5/2mL, 36×0.5mL, 4×PCR-8 strips, 12×5mL, 18×5mL	AC24P (capillary tubes×24)
Run time	30s–99min; HOLD (continuous running)	30s–99min; HOLD (continuous running)
Acceleration and deceleration time	25s up / 25s down	25s up / 25s down
Motor type	Brushless DC motor	Brushless DC motor
Safety performance	Dual door lock, over-speed detection, over-temperature detection with internal diagnosis system.	Dual door lock, over-speed detection, over-temperature detection with internal diagnosis system.
Power requirements	Single-phase, 200–240V, 50/60Hz, 210W; 100–120V, 50/60Hz, 200W	Single-phase, 200–240V, 50/60Hz, 210W; 100–120V, 50/60Hz, 200W
Noise level	≤64dB	≤65dB
Dimensions [W×D×H]	280×400×240mm	280×400×240mm
Weight	8.8kg	8.8kg
Other functions	Rotation speed/RCF switchover, inching operation, running process indicator, sound alert. Adjustable acceleration/deceleration at 9 levels, program storage capacity.	Rotation speed/RCF switchover, inching operation, running process indicator, sound alert. Adjustable acceleration/deceleration at 9 levels, program storage capacity.

Rotor overview — D1524 (rotors); D1524C (AC24P)

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
AC24P (D1524C)	—	12,000rpm	13,680×g	Capillary tubes×24

SECTION IV

Applications

Molecular biology, clinical chemistry, microbiology, clinical diagnostics and research; the D1524C for hematocrit and micro-sample separation.

Product value: two benchtop models on one platform, a high-speed micro centrifuge and a hematocrit version, with a maintenance-free motor and a set of catalogue rotors.

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