TECHNICAL DATA SHEET

ALab™ D2012S High-Speed Mini Centrifuge

High-speed mini centrifuge · Max. speed 15000rpm · rotor options 4 · microtube rotors 12 or 18 places



ALab™ D2012S High-Speed Mini Centrifuge

The ALab™ D2012S High-Speed Mini Centrifuge; image shown for reference.

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Revision Date **11/20/2026**

SECTION I

Product Overview

Microcentrifuges are mainly used in molecular biology laboratories for plasmid extraction, nucleic acid purification, pre-sequencing processing and other applications including extracting of DNA/RNA samples, sedimentation of biological components, and biochemical and chemical analyses of microsamples. The D2012S reaches 15000rpm with four rotor options: 12× or 18×0.2/0.5/1.5/2mL, 6×0.5mL+6×5mL and 4×0.2mL PCR 8-tube strip.

SECTION II

Core Advantages

- **Max. speed** — 15000rpm
- **Microtube rotors** — 12 or 18 places
- **Run time** — 30s-99min
- **Display** — LCD
- **Rotor options** — 4
- **Speed accuracy** — ±20rpm
- **Driving motor** — Brushless DC motor
- **Power** — 100-240V, 50/60Hz; 70W

SECTION III

Specifications

Technical data — D2012S

Specifications	
Brand	ALab™ by ACS Material
Model	D2012S
SKU #	ALD12S00
Product Type	High-speed mini centrifuge
Max. speed	15000rpm (300-15000rpm), increment: 100rpm
Speed accuracy	±20rpm
Rotor capacity	12×0.2/0.5/1.5/2mL; 18×0.2/0.5/1.5/2mL; 6×0.5mL+6×5mL; 4×0.2mL PCR 8-tube strip
Run time	30s-99min
Driving motor	Brushless DC motor
Safety devices	Door interlock, over-speed detection, over-temperature detection, automatic internal diagnosis
Display	LCD
Power	100-240V, 50/60Hz; 70W
Noise level	≤65dB
Dimension (D×W×H)	272×260×154mm
Weight	6.2kg
Other functions	Speed/RCF switch, short-time run function, sound-alert function

Rotors

Accessory	Cat. No.	Description
A12-2P angle rotor	19400175	Available rotor. Capacity 12×0.2/0.5/1.5/2mL; max. speed 15000rpm; rotor RCF 15100×g (A12-2P); high strength plastic. Adapters: A02P2, A05P2.
A18-2P angle rotor	19400158	Available rotor. Capacity 18×0.2/0.5/1.5/2mL; max. speed 15000rpm; high strength nylon. Adapters: A02P2, A05P2.
A6-5VP angle rotor	19400156	Available rotor. Capacity 6×0.5mL+6×5mL; max. speed 15000rpm; high strength nylon.
A4-PCR8 PCR strip rotor	19400157	Available rotor. Capacity 4×0.2mL PCR 8-tube strip; max. speed 15000rpm; rotor RCF 13080×g (A4-PCR8); zicral.

Listed by Cat. No. for reference; not selectable in the order menu.

Scope of delivery

- Main unit: ALab™ D2012S High-Speed Mini Centrifuge
- Rotors: four available rotors, see the rotor table (listed by Cat. No.)

SECTION IV

Applications

The D2012S is for molecular biology work that needs more than one rotor format: 12 or 18 microtubes, a mixed 6×0.5mL+6×5mL rotor and a rotor for 4 PCR 8-tube strips, all at up to 15000rpm.

Revision Date: 11/20/2026

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