TECHNICAL DATA SHEET

# ALab™ D2012 Plus High-Speed Mini Centrifuge

*High-speed mini centrifuge · Max. speed 15000rpm · Max. RCF 15100×g · rotor capacity 12×2mL*




**ALab™ D2012 Plus High-Speed Mini Centrifuge**

The ALab™ D2012 Plus High-Speed Mini Centrifuge; image shown for reference.

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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 D2012 Plus reaches 15000rpm (15100×g), takes 12×0.2/0.5/1.5/2mL tubes (rotor A12-2P, see the rotor table), runs 30sec-99min or continuously, and is quiet at ≤54dB.

SECTION II

## Core Advantages

- **Max. speed** — 15000rpm
- **Rotor capacity** — 12×2mL
- **Run time** — 30sec-99min/Continuous
- **Noise level** — ≤54dB
- **Max. RCF** — 15100×g
- **Speed accuracy** — ±20rpm
- **Driving motor** — Brushless DC motor
- **Dimension [D×W×H]** — 255×245×140mm

SECTION III

## Specifications

### Technical data — D2012 Plus

| Specifications | |
|---|---|
| **Brand** | ALab™ by ACS Material |
| **Model** | D2012 Plus |
| **SKU #** | ALD12P00 |
| **Product Type** | High-speed mini centrifuge |
| **Max. speed** | 15000rpm (500-15000rpm), increment: 100rpm |
| **Max. RCF** | 15100×g, increment: 100×g |
| **Speed accuracy** | ±20rpm |
| **Rotor capacity** | 12×0.2/0.5/1.5/2mL |
| **Run time** | 30sec-99min/Continuous |
| **Acceleration/braking time** | 11s up / 9s down |
| **Driving motor** | Brushless DC motor |
| **Safety devices** | Door interlock, over-speed detection, over-temperature detection, automatic internal diagnosis |
| **Power requirements** | Single-phase, AC100V-240V, 50Hz/60Hz, 3A, 100W |
| **Noise level** | ≤54dB |
| **Dimension [D×W×H]** | 255×245×140mm |
| **Weight** | 6kg |
| **Display** | LCD |
| **Other functions** | Speed/RCF switch, short-time run function, sound-alert function |

### Rotor and adapters

| Accessory | Cat. No. | Description |
|---|---|---|
| **A12-2P angle rotor** | — | Standard rotor of the D2012 Plus. Capacity 12×0.2/0.5/1.5/2mL; max. speed 15000rpm; max. RCF 15100×g; high strength plastic. Adapters for small tubes: A02P2, A05P2. |
| **A02P2 adapter** | 19500001 | Available adapter. 0.2mL rotor adapter for the A12-2P rotor; 24 pcs/pk. |
| **A05P2 adapter** | 19500002 | Available adapter. 0.5mL rotor adapter for the A12-2P rotor; 24 pcs/pk. |

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

### Scope of delivery

- Main unit: ALab™ D2012 Plus High-Speed Mini Centrifuge
- Standard rotor: A12-2P (12×0.2/0.5/1.5/2mL)

SECTION IV

## Applications

The D2012 Plus is a 12-place microcentrifuge for molecular biology work: plasmid extraction, nucleic acid purification, pre-sequencing processing, DNA/RNA extraction and analyses of microsamples. 0.2mL and 0.5mL tubes run in the A12-2P rotor with the A02P2 and A05P2 adapters.

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