

TECHNICAL DATA SHEET

ALab™ D1008 Palm Micro Centrifuge

Palm micro centrifuge • 7000 rpm • 2680 ×g • lid-activated • ≤ 45 dB • 0.5 kg



ACS Material ALab™ D1008 Palm Micro Centrifuge

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SECTION I

Product Overview

The ALab™ D1008 Palm Micro Centrifuge is a palm-sized spin-down centrifuge for quick spins, microfiltration of samples, cell separations and other routine laboratory procedures. It reaches 7000 rpm and 2680 ×g, starts on closing the lid and stops on opening it, accelerates and brakes in seconds, and operates at a published noise level of ≤ 45 dB. A clamp-locking design allows the rotor to be changed without tools. Both rotors and both adapter packs are supplied with the instrument.

SECTION II

Core Advantages

- **2680 ×g from a palm-sized body** — 7000 rpm on both rotors; 160 × 170 × 122 mm, 0.5 kg
- **Lid-activated dual start/stop** — closing the lid starts a brief spin-down; opening it stops the rotor
- **Seconds to speed, seconds to stop** — published noise level ≤ 45 dB
- **Quick-change rotors** — clamp-locking design, no tools required

SECTION III

Specifications

Technical data

Specifications	
Max. Speed	7000 rpm
Max. RCF	2680 ×g
Rotor Capacity	8 × 0.2 / 0.5 / 1.5 / 2 mL · 32 × 0.2 mL PCR tubes · 4 × 0.2 mL PCR 8-tube strips
Run Time	Continuous operation
Driving Motor	DC motor
Power Requirements	AC 100–240 V, 50/60 Hz · 20 W
Noise Level	≤ 45 dB
Dimensions [D×W×H]	160 × 170 × 122 mm
Weight	0.5 kg

Specifications	
Rotor A8-2P (19201164)	7000 rpm · 2680 ×g · 8 × 0.2/0.5/1.5/2 mL · high-strength plastic
Rotor A4-PCR8P (19201165)	7000 rpm · 2680 ×g · 32 × 0.2 mL PCR tubes, 4 × PCR 8-tube strips
Adapter SA02P2 (19400029)	0.2 mL, for the A8-2P rotor, 8 pcs/pk
Adapter SA05P2 (19400026)	0.5 mL, for the A8-2P rotor, 8 pcs/pk

Maximum RCF applies at the maximum speed of the rotor concerned. $RCF = 1.118 \times 10^{-5} \cdot r[cm] \cdot N^2$; never exceed a rotor's rated speed.

Scope of delivery

- Supplied: D1008 centrifuge, 1 unit
- Supplied: SA02P2 and SA05P2 adapters, 8 pcs each
- Supply: AC 100–240 V, 50/60 Hz
- Supplied: A8-2P and A4-PCR8P rotors, 1 each
- Rotors and adapters are included, not extra
- Cat. Nos. listed for spares and replacements

SECTION IV

Applications

Typical applications for the ALab™ D1008 Palm Micro Centrifuge include:

- **Quick spins** — brief spin-down of tube contents
- **Microfiltration of samples** — as published
- **Cell separations** — as published
- **Routine laboratory procedures** — handling of 0.2–2 mL tubes and PCR tube / strip formats

Product value: 2680 ×g from a palm-sized, 0.5 kg instrument, with lid-activated operation, seconds-long acceleration and braking, tool-free rotor changes and both rotors plus both adapter packs supplied. Rotor capacity covers 0.2 to 2 mL tubes and PCR 8-tube strips; larger tube formats require a low-speed model.

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