

TECHNICAL DATA SHEET

ALab™ DM0506 Low-Speed Centrifuge

Low-speed centrifuge • 300–5000 rpm • 2600 ×g on both rotors • P1/P2 programs



ACS Material ALab™ DM0506 Low-Speed Centrifuge

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SECTION I

Product Overview

The ALab™ DM0506 Low-Speed Centrifuge separates serum, plasma, urine and fecal samples in biochemical and medical laboratories. It runs from 300 to 5000 rpm in 10 rpm increments and both published rotor configurations are rated to 5000 rpm and 2600 ×g — the A6-15P for 6 × 15 mL and the A4-50P for 4 × 50 mL. Speed or g-force can be set and displayed directly in 10-unit increments, two programs are preloaded for one-key start, two deceleration settings are selectable, and the lid releases automatically after a run. The same instrument is supplied unbranded as the CF0506.

SECTION II

Core Advantages

- **2600 ×g on both rotors** — both published rotor configurations share the same 5000 rpm / 2600 ×g maxima
- **Set in rpm or in g** — 10 rpm and 10 ×g increments, both selectable and displayed
- **Two preloaded programs** — P1 and P2 start a stored procedure with one key
- **Two deceleration settings** — two selectable settings, as published

SECTION III

Specifications

Technical data

Specifications	
Speed Range	300–5000 rpm, increment 10 rpm
Max. RCF	2600 ×g, increment 10 ×g
Speed Accuracy	±20 rpm
Rotor Capacity	6 × 1.5–5 / 7 / 10 / 15 mL · 4 × 20 / 50 mL
Run Time	30 sec – 99 min, HD (continuous running)
Display	LCD
Preloaded Program	P1 / P2
Acceleration / Deceleration	1 ↑ / 2 ↓
Safety Devices	Door interlock · Overspeed detector · Automatic internal diagnosis
Motor	Brushless DC motor
Power Requirements	Single-phase 100–240 V, 50/60 Hz, 70 W
Dimensions [W×D×H]	300 × 240 × 180 mm
Weight	5.2 kg

Specifications**Alternative model name**

CF0506 (unbranded version of the same instrument)

Specifications**Rotor A6-15P (19400295)**

5000 rpm · 2600 ×g · 6 × 15 mL · high-strength plastic

Rotor A4-50P (19400294)

5000 rpm · 2600 ×g · 4 × 50 mL · high-strength plastic

Adapter A5P17 (19500022)

5 mL, for 13 × 75 mm blood collection tubes · applied to A6-15P

Adapter A2P17 (19500023)

1.5 / 2 mL, for 11 × 43 mm tubes and cryogenic vials · applied to A6-15P

Both rotors share the same published maxima. The published data give the tube dimensions each adapter accepts, but not a separate radius or maximum RCF for adapter configurations; confirm before relying on the rotor maximum in those cases.

Scope of delivery

- **Supplied: DM0506 centrifuge, 1 unit**
- **Supplied: A5P17 and A2P17 adapters, 1 set**
- **Rotor configuration: confirm at quotation**
- **Supply: 100–240 V, 50/60 Hz, 70 W**
- **Also supplied unbranded as CF0506**
- **Rotor and adapter Cat. Nos. listed above**

SECTION IV**Applications**

Typical applications for the ALab™ DM0506 Low-Speed Centrifuge include:

- **Serum and plasma separation** — biochemical and medical laboratories
- **Urine and fecal sample separation** — as published
- **15 mL and 50 mL formats** — select the rotor and tube configuration according to the actual vessel format
- **Smaller tubes via adapters** — 13 × 75 mm blood collection tubes, 11 × 43 mm tubes and cryogenic vials

Product value: the published data give 5000 rpm and 2600 ×g for both rotor configurations, together with 10 rpm and 10 ×g setting resolution, two preloaded programs and two selectable deceleration settings, from a 300 × 240 mm footprint.

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