

TECHNICAL DATA SHEET

ALab™ Q0408E Low-Speed Centrifuge

Low-speed centrifuge • 300–4000 rpm • 1860 ×g • PRP / PRF / CGF programs



ACS Material ALab™ Q0408E Low-Speed Centrifuge

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ACS MATERIAL, LLC

959 E Walnut St., Suite 100
Pasadena, CA 91106, USA
Phone +1 (866) 227-0656
Fax +1 (781) 518-0284

contact@acsmaterial.com

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SECTION I

Product Overview

The ALab™ Q0408E Low-Speed Centrifuge is built around programmed workflows. It runs from 300 to 4000 rpm in 10 rpm increments to 1860 ×g with a single published 8 × 15 mL rotor configuration that accepts PRP tubes, and supports segmented centrifugation with one-click recall of PRP, PRF and CGF procedures — CGF alone provides 9 programmes of 6 segments each, within a total memory of 99 programmes. A microprocessor control system, brushless DC motor, IP20 protection and a running self-locking function are standard.

SECTION II

Core Advantages

- **Programmed PRP, PRF and CGF workflows** — one-click recall with segmented centrifugation
- **Speed and RCF toggle display** — readout in either unit without conversion
- **99 program memories** — stored procedures recalled by one touch
- **Quiet operation** — published noise level ≤ 55 dB(A)

SECTION III

Specifications

Technical data

Specifications	
Max. Speed	300–4000 rpm, increment 10 rpm
Max. RCF	1860 ×g
Speed Accuracy	±20 rpm
Rotor Capacity	8 × 15 mL, PRP tube
Run Time	30 sec – 99 min 55 sec / Continuous
Timer Display	LCD
Noise Level	≤ 55 dB(A)
Program Memory	PRP / PRF / CGF
Program Capacity	99 programs · 9 segmented processes (6 steps each)
Motor Type	Brushless DC motor
Protection Class	IP20
Power Requirements	110–240 V, 50/60 Hz, 40 W
Dimensions [L×W×H]	321 × 284.5 × 215 mm

Specifications	
Weight	5.1 kg

Specifications	
Rotor 8 × 15 mL	4000 rpm · 1860 ×g · 8 × 15 mL and PRP tubes · high-strength plastic
Permissible ambient conditions	5–40 °C, 80% RH
Safety Performance	Running process display · Status diagnostics · Sound prompt · Running self-locking
Alternative rotors	None published for this model

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

Scope of delivery

- Supplied: Q0408E centrifuge with 8 × 15 mL rotor, 1 unit
- Supply: 110–240 V, 50/60 Hz, 40 W
- Rotor: 8 × 15 mL, high-strength plastic
- Accessory configuration: confirm at quotation
- No alternative rotors or adapters are published
- Noise level ≤ 55 dB(A) as published

SECTION IV

Applications

Typical applications for the ALab™ Q0408E Low-Speed Centrifuge include:

- PRP, PRF and CGF preparation — one-click recall of the three procedures
- Cosmetic, dental and surgical fields — biochemical and medical laboratories
- Serum, plasma and urine separation — as published
- Segmented protocols — 9 programmes of 6 steps each

Product value: programmed PRP, PRF and CGF workflows with segmented centrifugation and 99 program memories, from a 5.1 kg instrument with a brushless DC motor and IP20 protection. At 1860 ×g the published maximum RCF is the lowest in the current ALab™ centrifuge range.

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