TECHNICAL DATA SHEET

ALab™ DM0636 Multi-Purpose Low-Speed Centrifuge

Multi-purpose low-speed centrifuge · Max. speed 6000rpm · Max. capacity 4×100mL



ALab™ DM0636 Multi-Purpose Low-Speed Centrifuge

The ALab™ DM0636 Multi-Purpose Low-Speed Centrifuge; image shown for reference.

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SECTION I

Product Overview

The DM0636 is ideal for chemistry, cytology, research laboratories and industrial laboratories. It is suitable for tubes with caps, blood collection or urine tubes. Swing-out rotors and adapters can be compatible with standard tubes up to 100mL at low speed. The speed range is 300-6000rpm in 10rpm steps, with 9 acceleration and 10 brake speed settings and 9 procedures stored in memory.

SECTION II

Core Advantages

- **Max. speed** — 6000rpm
- **Max. capacity** — 4×100mL
- **Run time** — 30sec-99mins/continuous
- **Display** — LCD
- **Rotor identification** — Automatic
- **Speed accuracy** — ±20rpm
- **Motor** — Brushless DC motor
- **Program memory** — 9

SECTION III

Specifications

Technical data — DM0636

Specifications	
Brand	ALab™ by ACS Material
Model	DM0636
SKU #	ALD63600
Product Type	Multi-purpose low-speed centrifuge
Speed range	300-6000rpm, increment: 10rpm
Speed accuracy	±20rpm
Max. capacity	4×100mL
Run time	30sec-99mins/continuous
Motor	Brushless DC motor
Display	LCD
Program memory	9
Safety devices	Door, imbalance protection, over speed & over temperature detection
Acceleration/deceleration	9 up / 10 down steps
Power requirements	400W; single-phase AC220V-240V, 50Hz/60Hz, 6.3A; AC110V-120V, 50Hz/60Hz, 10A
Noise level	≤65dB
Dimension [W×D×H]	570×445×295mm
Weight	36kg
Advanced features	Speed/RCF switch; rotor identification

Rotors

Accessory	Cat. No.	Description
SE4-100 swing-out rotor	19400041	Standard accessory. For four-bucket configurations (see the bucket table below); max. speed 4000rpm; max. RCF 2950×g; stainless steel body and adapter.
S2-MP microplate rotor	19400062	Optional rotor. Capacity 8 microplates (384-PCR, 96-PCR or ELISA) or 4 deep-well plates; max. speed 4000rpm; max. RCF 2200×g; stainless steel body and aluminum buckets.
AS6-50V rotor (cone bottom)	19400038	Optional rotor. Capacity 6×15mL or 6×50mL; max. speed 6000rpm; max. RCF 4020×g; aluminum; biosealing: yes.
AS12-PCR8 rotor	19400036	Optional rotor. Capacity 12×PCR 8-tube strip; max. speed 6000rpm; max. RCF 4020×g; aluminum; biosealing: yes.
AS18-5V rotor (cone bottom)	19400035	Optional rotor. Capacity 18×5mL; max. speed 6000rpm; max. RCF 4020×g; stainless steel body and aluminum buckets (as printed); biosealing: yes.
AS30-2 rotor	19400034	Optional rotor. Capacity 30×2mL; max. speed 6000rpm; max. RCF 4020×g; aluminum; biosealing: yes.
AS60-2 rotor	19400037	Optional rotor. Capacity 60×2mL; max. speed 6000rpm; max. RCF 4020×g; aluminum; biosealing: yes.
A8-50 rotor (round bottom)	19400039	Optional rotor. Capacity 16×15mL or 8×50mL; max. speed 5000rpm; max. RCF 3960×g; aluminum body and stainless steel adapter; default adapters: SE100P31x8, SE100P17x16.
A30-15 rotor (round bottom)	19400040	Optional rotor. Capacity 30×15mL; max. speed 4500rpm; max. RCF 3210×g; aluminum body and stainless steel adapter.

SE4-100 is printed as the standard accessory; the other eight rotors are printed as available rotors (rotors optional). Listed by Cat. No. for reference; not selectable in the order menu.

SE4-100 buckets and adapters

Bucket Cat. No.	Buckets	Tubes per rotor	Nominal volume	Ø×L (mm)	Adapter	Package	Radius (cm)	Max. RCF (×g)
19400045	×4	36	3-7mL	13×75	With plug	36	14	2500
19400045	×4	36	3-7mL	13×100	—	—	16.5	2950
19400044	×4	16	10mL	16×100	—	—	15.9	2840
19400044	×4	16	12mL	17×105	A15V	16	15.9	2840
19400044	×4	16	15mL	17×120	A15V	16	15.9	2840
19400043	×4	8	50mL	29.5×100	A50V	8	15.9	2840
19400042	×4	4	100mL	38×108	—	—	15.9	2840
19400042	×4	4	85mL	38×104	A100P80	4	15.9	2840
19400042	×4	4	50mL	29.5×100	A100P50/80	4	15.9	2840
19400042	×4	8	15mL	17×120, 13×100, 13×75	A100P15	4	15.1	2700
19400042	×4	20	3-7mL	13×100, 13×75	A100P10	4	14.7	2630

SE4-100: max. speed 4000rpm, max. RCF 2950×g. Package values as printed; the value 16 is printed once across the 12mL and 15mL columns.

Scope of delivery

- Main unit: ALab™ DM0636 Multi-Purpose Low-Speed Centrifuge
- Standard accessory: SE4-100 swing-out rotor (Cat. No. 19400041); other rotors optional, see the rotor table (listed by Cat. No.)

SECTION IV

Applications

The DM0636 is listed for chemistry, cytology, research laboratories and industrial laboratories, for tubes with caps, blood collection or urine tubes. The SE4-100 swing-out rotor (standard accessory) takes standard tubes up to 100mL; the AS-series rotors reach 6000rpm (4020×g) for 2mL, 5mL, 15mL and 50mL tubes and PCR 8-tube strips, and the S2-MP rotor takes microplates and deep-well plates.

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