

TECHNICAL DATA SHEET

ALab™ DM1424 Hematocrit Centrifuge & DM1224 Economical Hematocrit Centrifuge

Hematocrit Centrifuge · DM1224 Economical · 12000rpm / 13680×g · 24 capillary tubes



ALab™ DM1424 Hematocrit Centrifuge & DM1224 Economical Hematocrit Centrifuge

The ALab™ DM1424 and DM1224. Series image shown for reference.

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SECTION I

Product Overview

The ALab™ DM1424 Hematocrit Centrifuge and DM1224 Economical Hematocrit Centrifuge reach 12000rpm and 13680×g, with an LCD, a maintenance-free brushless DC motor and the AC24 rotor for 24 capillary tubes.

DM1424: 200–12000rpm, accuracy ±20, 30s acceleration/braking, 160W, 10.5kg. DM1224: 500–12000rpm, accuracy ±100, 40s acceleration/braking, 380W, 8.5kg.

SECTION II

Core Advantages

- **Max. RCF** — 13680×g
- **Rotor** — AC24, 24 capillaries
- **Motor** — brushless DC
- **Speed** — up to 12000rpm
- **Display** — LCD
- **Safety** — door interlock

SECTION III

Specifications

Technical data — DM1424 · DM1224

Specifications	
Brand	ALab™ by ACS Material
Model	DM1424 / DM1224
SKU #	ALD14S00
Max. RCF	13680×g
Motor	Brushless DC motor
Display	LCD
Advanced features	Speed/RCF switch; short-time run function; sound-alert function

Specifications by model — DM1424 · DM1224

Specifications by model		
Parameter	DM1424	DM1224
Speed range	200–12000rpm, increment: 10rpm	500–12000rpm, increment: 100rpm
Max. RCF	13680×g	13680×g
Speed accuracy	±20	±100
Run time	30sec–99min/Continuous	10sec–99min/Continuous
Motor	Brushless DC motor	Brushless DC motor
Display	LCD	LCD
Safety devices	Door interlock, overspeed detector; automatic internal diagnosis, automatic rotor identification	Door interlock
Acceleration/braking time	30s up / 30s down	40s up / 40s down
Power requirements	Single-phase, 200V–240V, 50Hz/60Hz, 5A; 100V–120V, 50Hz/60Hz, 5A; 160W	Single-phase, 200V–240V, 50Hz/60Hz, 5A; 380W
Dimension [W×D×H]	280×364×274mm	280×364×213mm
Weight	10.5kg	8.5kg
Advanced features	Speed/RCF switch; short-time run function; sound-alert function	Speed/RCF switch; short-time run function; sound-alert function

Rotors — DM1424 / DM1224

Rotors						
Rotor	Cat. No.	Host	Max. speed	Max. RCF	Capacity	Rotor material
AC24	19400047	DM1424 & DM1224	12000rpm	13680×g	24×capillary tubes	High strength aluminum

SECTION IV

Applications

Determination of erythrocyte fractions (hematocrit, HCT), micro solution separations, bilirubin determination in neonate blood samples, DNA and RNA extraction, veterinary clinics.

Product value: two hematocrit models, a full-featured DM1424 and an economical DM1224, sharing one capillary-tube rotor.

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