

**DRAGONLAB**

SCALING NEW HEIGHTS IN RESEARCH

## Centrifuge



# Clinical Centrifuge

Our clinical centrifuge is ideal for the separation of serum, plasma, urea, blood samples and other routine applications in hospital and research laboratories.

## Advantages

### Conform to international safety standards and regulations

- DRAGONLAB clinical centrifuges have passed the explosion-proof test and marked with CE, cTUVus and FCC. MCA test according to IEC/EN61010-2-20 including explosion-proof and bio-safe tests.
- Passed EN61010-2-101:2002 particular requirements for in vitro diagnostic (IVD) medical equipment
- High strength plastic rotor and excellent balance technology to guarantee a quiet and stable operation
- Dual protection casing provides safe and reliable running
- Brushless DC motor drive quickly and effortlessly accelerates the rotor to set speed

### Precise control

- CPU controls all operating parameters including speed and time
- High accuracy of speed, excellent performance
- Operation can be timed from 30 seconds to 99 minutes or continuous running
- Timer commences once the set speed is reached, so the separation time is more accurate
- Gentle braking at low speeds with efficient separation

### Ergonomic design

- User-friendly large LCD display show all information
- RPM or G-force can be set and displayed
- Parameters can be modified after the set speed is reached
- Quick spins are possible by pressing and holding PULSE key. The centrifuge speed can be accelerated and held at the target speed.
- Automatic release the lid when operation has stopped to save processing time
- Easy-to-read processing display and sound alert



## Clinical Centrifuge DM0412

### Features

- Speed range of 300-4500rpm
- Max rotor capability 15ml × 8
- Precise control speed and time with efficient separation
- For 15ml cell culture tubes and full line of collection tubes, ideal for a clinical lab
- Quiet and stable operation with noise level ≤56



DM0412  
with A12-10P plastic rotor



### Available tubes and adapters

Rotor type	Available tubes	Tube quantity	Dimension (Φ × L mm)	Adapters	Maximum speed (rpm)	Radius (cm)	Maximum RCF (×g)
A12-10P 	15ml con 	8	17 × 120		4500	11	2490
	1.5-5ml vacu 	12	13 × 82	A10P15 & Mat 	4500	9.8	2218
	4-7 ml vacu 	12	13 × 106	A10P15	4500	11	2490
			16 × 75	A10P15 & Mat 		9.8	2218
	8.5-10 ml vacu 	12	16 × 107	A10P15 	4500	11	2490
	2.7-3 ml(EU) collection tube 	12	11 × 66	A10P15 & Mat 	4500	9.8	2218
	7.5-8.2 ml(EU) collection tube 	12	15 × 92	A10P15 	4500	11	2490

REMARK: A12-10P rotor is made of plastic and cannot be autoclaved or UV irradiation, only ordinary sterilization can be used.



# LAB Market

## لاب ماركت

- مستلزمات معملية
- كيموويات
- أجهزة
- صيانة

بنها - عمارة ٢ غرب الاستاد - بجوار كنتاكي - خلف نقابة الاطباء ومطعم الرشيدى

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## Hematocrit Centrifuge DM1424

Hematocrit centrifuge with AC24P rotor is used for determination of volume fractions of erythrocytes in blood and also for separation of micro blood and solution.

Hematocrit centrifuge with A24-2P rotor is used for extraction of DNA and RNA.

### Features

- Speed range of 200-14000r rpm, Max. RCF 18260 × g
- Two rotors, hematocrit rotor with Max. capacity 24 capillary tubes and 2ml × 24 rotor
- Precise control speed and time with efficient separation



DM1424




AC24P hematocrit rotor kit with a lid and a reading disk



### Specifications

	DM0412	DM1424
Max. Speed [rpm]	300-4500, increment: 100	200-14000, increment: 10
Max. RCF [ × g]	2490 × g, increment: 100 × g	18260 × g, increment: 10 × g
Speed Accuracy [rpm]	± 20	± 30
Rotor Capacity	12 × 10ml/7ml/5ml; 8 × 15ml	24 × 1.5/2ml (14000rpm); Hhematocrit rotor:24 × capillary tubes (12000rpm)
Run Time	30sec-99min-HOLD (Continuous operation)	30sec-99min-HOLD (Continuous operation)
Driving Motor	Brushless DC motor	Brushless DC motor
Safety Devices	Door interlock, Over-speed detection; Over-temperature detection; Automatic internal diagnosis	Door interlock, Over-speed detection; Over-temperature detection; Automatic internal diagnosis; Automatic rotor identification
Power	Single-phase, 110V-240V, 50Hz/60Hz, 3A	Single-phase, 220V-240V, 50Hz/60Hz, 5A; 110V-120V, 50Hz/60Hz, 5A
Noise level [dB]	≤56	≤60
Acceleration/Braking time [Sec]	20s ↑ 20s ↓	20s ↑ 20s ↓
Dimensions [mm]	(L)255 × (W)245 × (H)140	(L)280 × (W)364 × (H)266
Weight	6 kg	10kg
Additional Features	Speed/Acceleration switch; Short-time run function; sound-alert function	Speed/Acceleration switch; Short-time run function; sound-alert function

## Available rotors and adapters

			
<b>Centrifuges</b>	<b>DM0412</b>	<b>DM1424</b>	
			
Rotor P/N	A12-10P	A24-2P	AC24P
Cat No.	19200316	19400013	19400015
Max. speed (rpm)	4500	14000	12000
Max. RCF (× g)	2490	18620	13680
Rotor capacity	15ml × 8 10ml/5ml/7ml × 12	2ml/1.5ml × 24 0.2ml × 24 0.5ml × 24	24 × capillary tubes
Rotor material	High strength plastic	High strength plastic	High strength plastic
<b>Rotor adapters</b>			N/A
A02P2		●	
A05P2		●	
A10P15 & Mat	●		



Rotor adapters		
P/N	Cat. No.	Descriptions
A02P2	19500001	2ml to 0.2ml rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk
A05P2	19500002	2ml to 0.5ml rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk
A10P15	19200317	Rotor adapter, used with A12-10P, 12pcs/pk
	19200318	Rotor adapter mat, used with A10P15, 12pcs/pk

## Ordering Information

Cat. No.	P/N	Descriptions	Power supply
913023410000	DM0412	Clinical Centrifuge, with A12-10P rotor	US plug, 110-240V/50Hz/60Hz
913123410000			Cn plug, 110-240V/50Hz/60Hz
913223410000			Euro plug, 110-240V/50Hz/60Hz
913323410000			UK plug, 110-240V/50Hz/60Hz
912025530000	DM1424	Hematocrit Centrifuge, with AC24P rotor kit	US plug, 110-120V/50Hz/60Hz
912125520000			Cn plug, 220-240V/50Hz/60Hz
912225520000			Euro plug, 220-240V/50Hz/60Hz
912325520000			UK plug, 220-240V/50Hz/60Hz
<b>Accessories</b>			
19200316	A12-10P	Plastic rotor, 4500rpm, 15ml × 8, used with DM0412	
19400015	AC24P	Hematocrit rotor kit with a lid and a reading disk (DragonLab LOGO), 12000rpm, 24 × capillary tubes, used with DM1424	
19400013	A24-2P	Plastic rotor kit with lid (DragonLab LOGO), fixing clips and O'ring, 14000rpm, 2ml/1.5ml × 24, used with DM1424	