



PROMED

**LABROTARY
CENTRIFUGE**



*Fits perfectly into
your daily lab work*

Anhui Zhongke Duling Commercial Appliance Co., Ltd

REFRIGERATED CENTRIFUGE

DL-3021HR

HIGH SPEED



Excellent Versatility – With 23 Different Rotors

Refrigerated Centrifuge DL-3021HR is the new laboratory standard for temperature sensitive samples up to 100ml. It features state of the art cooling technology to ensure 4°C at full speed for maximum sample protection and best separation results.

PRODUCT FEATURES

- ▶ One-touch Solution at Your Fingertips
- ▶ High centrifugation speed of up to 36,796 xg (23,000 rpm) for molecular applications in tubes from 0.2ml to 100ml
- ▶ Temperature control range from –20 °C to 40 °C
- ▶ ECO shut-off engages after cooling down to set temperature reduce energy consumption and extend compressor life
- ▶ 23 different rotors tailored to your needs
- ▶ **Fast Cool&Quick Lock** cools down to 4°C in only 5 minutes
- ▶ Aerosol-tight rotors prevent potentially hazardous materials

Rotor Portfolio

Fixed-angle rotors



Rotor No.	H0.512	H0.524	H0.548	H0212	H0224	H0236	H0248	H0512	H1012
Max. Capacity	12 x 0.5ml	24 x 0.5ml	48 x 0.5ml	12 x 2ml	24 x 2ml	36 x 2ml	48 x 2ml	12 x 5ml	12 x 10ml
Max. Speed	23,000 rpm	22,000 rpm	16,000 rpm	22,000 rpm	17,500 rpm	16,000 rpm	15,500 rpm	17,000 rpm	15,500 rpm
Max. RCF	28,388 xg	36,763 xg	22,324 xg	36,796 xg	29,890 xg	25,473 xg	26,672 xg	21,971 xg	23,261 xg



Rotor No.	H0524	H1024	H3006	H5006	H5008	H1006	H1004	H0.232-RCR	H1508
Max. Capacity	24 x 5ml	24 x 10ml	6 x 30ml	6 x 50ml	8 x 50ml	6 x 100ml	4 x 100ml	4 x 8 x 0.2ml	8 x 15ml
Max. Speed	13,500 rpm	12,500 rpm	15,000 rpm	20,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm	14,500 rpm	17,572 rpm
Max. RCF	17,115 xg	16,770 xg	22,640 xg	43,000 xg	16,904 xg	16,904 xg	16,904 xg	16,219 xg	16,219 xg

Compact footprint saves valuable bench space



Rotor Portfolio

Swing-bucket rotors



Rotor No. Swing-bucket 189-2 **Max. Speed** 5,000 rpm

Max. Capacity 4 x 100ml **Max. RCF** 3,913 xg



4 x 100ml bottle



8 x 50ml conical tube



32 x 10/5/7ml vacutainer



24 x 10/15ml conical tube



40 x 5ml tube



32 x 5ml tube



Rotor No. Swing-bucket P5004 **Max. Speed** 5,000 rpm

Max. Capacity 4 x 50ml conical tube **Max. RCF** 3,913 xg

Rotor No. Swing-bucket **Max. Speed** 5,000 rpm **Rotor No.** Swing-bucket **Max. Speed** 5,000 rpm

Max. Capacity 12 x 10ml **Max. RCF** 3,913 xg **Max. Capacity** 4 x 15ml **Max. RCF** 2,432 xg

Rotor Portfolio

Plate rotors



Rotor No. MTP/DWP E4802 **Max. Speed** 5,000 rpm

Capacity 48-well x 2 x 2(MTP) **Max. RCF** 4,081 xg

Technical specifications

Max. speed	23,000 rpm	Speed accuracy	±10 rpm	Ambient temp.	10~32 °C
Max. RCF	36,796 xg	Temp. Range	-20~40 °C	Power supply	220V/50Hz
Max. capacity	6 x 100ml	Temp. accuracy	±1.0 °C	Power	1,500W
Noise	≤58dB	Weight	90Kg	Dimension	510x555x488mm
Timier	1s~99h59m59s with continuous mode, short spin				

Performance you can count on



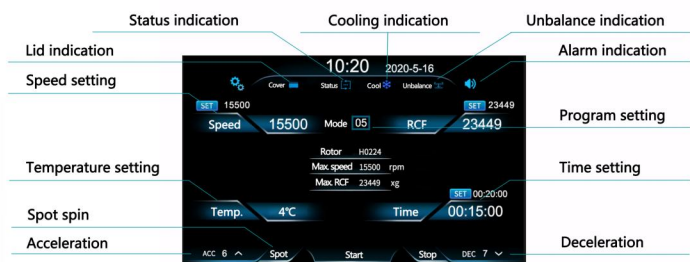
REFRIGERATED CENTRIFUGE

DL-3021HR

Constructions & Functions



ONE-TOUCH SOLUTION AT YOUR FINGERTIPS



SAFE

- ▶ Double lock system works as soon as the centrifuge activated
- ▶ Double layered steel construction create a sturdy and safe chamber
- ▶ Stainless centrifuge chamber, anti-rust and anticorrosion, easy to clean
- ▶ Automatic unbalance detection, auto-shutdown when unbalance alarms.
- ▶ Sinking exhaust channel design prevents aerosol pollution during centrifugation
- ▶ Aerosol-tight fixed-angle rotor for better biosecurity

UNIQUE

- ▶ 15 acceleration/deceleration gears for various types of samples
- ▶ Timing at set rpm/ Timing at startup
- ▶ Spot spin centrifugation
- ▶ Programmable Differential RCF program 5 reserved programs can be set by users
- ▶ All rotors maintain 4 °C at maximum rotor speed
- ▶ **Standby Cooling** design pre-cools the chamber to set temperature before operation.

TECHNICAL

- ▶ 20 optional programmable centrifugation programs improve work efficiency
- ▶ **SOFT BRAKE** design prevents sample resuspension and protect your sensitive samples
- ▶ Multi-layer damping shock absorption design ensures good centrifugal effect
- ▶ Built-in condensation drain to eliminate water accumulation
- ▶ Optional RS485 contact
- ▶ Fixed-angle rotors can be autoclaved at 121°C for 2 hours

Advanced temperature management for maximum sample protection and energy efficiency