



PROMED

**LABROTARY
CENTRIFUGE**



*Fits perfectly into
your daily lab work*

Excellent Versatility – With 22 Different Rotors

The Centrifuge DL-3020HR is a workhorse for medium to high-throughput laboratories. It combines extraordinary versatility and capacity for both tubes and plates with an extraordinarily compact footprint.



PRODUCT FEATURES

- ▶ One-touch Solution at Your Fingertips
- ▶ High capacity of up to 4 x 750ml per run
- ▶ High centrifugation speed of up to 40,214 xg (24,000 rpm) for molecular applications in tubes from 0.2 mL to 750 mL
- ▶ 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
- ▶ 22 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 Spin all commonly used tubes, bottles, flasks, and plates

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	24,000 rpm	23,000 rpm	16,000 rpm	23,000 rpm	17,500 rpm	16,000 rpm	15,500 rpm	17,000 rpm	15,500 rpm
Max. RCF	30,910 xg	40,217 xg	22,324 xg	40,217 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	13,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm	14,500 rpm	13,000 rpm
Max. RCF	17,115 xg	16,770 xg	22,640 xg	18,762 xg	16,904 xg	16,904 xg	16,904 xg	16,219 xg	17,572 xg

Your new best friend
on the bench



Rotor Portfolio

Swing-bucket rotors



Rotor No.	Swing-bucket 263-3	Max. Speed	4,200 rpm
Max. Capacity	4 x 750ml	Max. RCF	3,727 xg



4 x 500ml bottle



20 x 50ml conical tube



76 x 10ml blood vacutainer tube



4 x 250ml conical corning



28 x 50ml tube



96 x 3/5/7ml blood vacutainer tube



12 x 100ml tube



56 x 15ml/20ml tube



148 x 5ml RIA tubes



Rotor No.	Swing-bucket 220	Max. Speed	4,500 rpm
Max. Capacity	4 x 300ml	Max. RCF	3,645 xg



4 x 250ml bottle



4 x 500ml bottle



76 x 5ml RIA Tubes



4 x 100ml conical tube



20 x 15ml conical tube



40 x 10ml Vacutainer Tube



12 x 50ml conical tube



56 x 3/5/7ml Vacutainer Tube

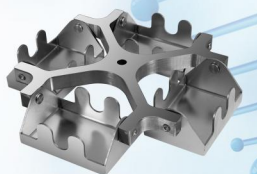
Rotor No.	Swing-bucket 100	Max. Speed	4,200 rpm	Max. Capacity	4 x 500ml	Max. RCF	3,451 xg
Rotor No.	Swing-bucket 200	Max. Speed	5,000 rpm	Max. Capacity	12 x 10ml	Max. RCF	3,913 xg
Rotor No.	Swing-bucket 300	Max. Speed	5,000 rpm	Max. Capacity	4 x 15ml	Max. RCF	3,913 xg

Rotor Portfolio

MTP/DWP rotors



Rotor No.	MTP/DWP 9602H	Max. Speed	5,000 rpm
Capacity	96-well x 2 (DWP) 96-well x 2 x 2 (MTP)	Max. RCF	4,081 xg



Rotor No.	MTP/DWP 9604	Max. Speed	4,000 rpm
Capacity	96-well x 4 (DWP) 96-well x 4 x 2 (MTP)	Max. RCF	3,667 xg



Spin all commonly used tubes, bottles, flasks, and plates

Adapters for

Adapters for

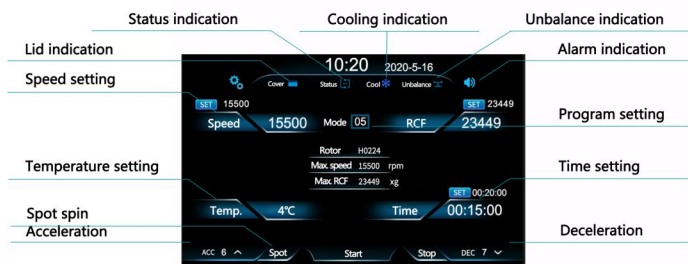
REFRIGERATED CENTRIFUGE

DL-3020HR

Constructions & Functions



ONE-TOUCH SOLUTION AT YOUR FINGERTIPS



Technical specifications

Max. speed	24,000 rpm	Speed accuracy	±10 rpm	Ambient temp.	10~32 °C
Max. RCF	40,217 xg	Temp. Range	-20~40 °C	Power supply	220V/50Hz
Max. capacity	4 x 750ml	Temp. accuracy	±1.0 °C	Power	1,800W
Noise	≤58dB	Weight	108Kg	Dimension	666x698x515mm
Timier	1s~99h59m59s with continuous mode, short spin				

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