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LABROTARY CENTRIFUGE

Fits perfectly into your daily lab work

Anhui Zhongke Duling Commercial Appliance Co., Ltd

REFRIGERATED CENTRIFUGE DL-3024HR

Optimal solution to support your everyday centrifugation tasks

DL-3024HR is our versatile upright centrifuge. With a comprehensive portfolio of fixed-angle and swing-bucket rotors, it was designed to accommodate a particularly broad spectrum of applications.

HIGH SPEED

PRODUCT FEATURES

- One-touch Solution at Your Fingertips
- High centrifugation speed of up to 40,217 xg (24,000 rpm) for molecular applications in tubes from 0.2ml to 750ml
- 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℃ 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	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

Outstanding versatility for all your applications

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Rotor Portfolio — Swing-bucket rotors

Rotor No.	Swing-bucket 263-2	**Max. Speed**	4,200 rmp
Max. Capacity	4 x 750ml	**Max. RCF**	3,727 xg

Adapters for

4 x 500ml bottle	20 x 50ml conical tube	76 x 10ml vacutainer
4 x 250ml conical corning	28 x 50ml tube	96 x 3/5/7ml vacutainer (Automatic decapping)
12 x 100ml tube	56 x 15ml/20ml tube	148 x 5ml RIA tubes

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

Adapters for

4 x 750ml bottle	20 x 50ml conical tube	76 x 10ml vacutainer
4 x 500ml bottle	28 x 50ml tube	96 x 3/5/7ml vacutainer
12 x 100ml tube	56 x 15ml/20ml tube	148 x 5ml RIA tubes

Aerosol-tight caps provide the needed safety when working with hazardous samples such as viruses, bacteria, blood or radioactive samples. The caps for the 4 × 750 ml swing-bucket rotor allow for easy, one-handed operation. Its unique design allows the closed bucket to be carried securely to the biosafety cabinet.

Automatic decapping adapter is designed for the application in medical and hospitals for blood collection. It is best of offering a solution for increased throughput requirements and for the integration of new analyzing technologies.

Rotor Portfolio — MTP/DWP rotors

Rotor No.	MTP/DWP 9602H	**Max. Speed**	5,000 rmp
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 rmp
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

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Constructions & Functions

- Double lock safety
- Antibacterial & anti-corrosion coated steel
- Stainless steel chamber
- Automatic rotor recognition
- One-piece sealing gasket
- 7" IPS touch screen
  One-touch solution
  at your fingertips
- High quality AC VFD motor
  Low noise, long service life
- Circuit breaker
  Ensure circuit safety
- Double-layed steel body
  sturdy constuctions
- High quality cooling system
  stable and long service life

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	2,000W
Noise	≤58dB	Weight	120Kg	Dimension	750x590x890mm
Timier	1s~99h59m59s with continuous mode, short spin				

SAFE

- Double lock system works as soon as the centrifuge activated
- Double layed 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 sampls
- Timing at set rpm/ Timing at startup
- Spot spin centrifugeration
- Programmable Differential RCF program 5 reserved programs can be set by users
- All rotors maintain 4 °C at maximum rotor speed
- ***Standby Cooling*** design precools the chamber to set tepmeraturer before operation.

TECHNICAL

- 20 optional programmable centrifuger-ation 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