

Refrigerated | Low speed | Benchtop



Order No.:0105030000

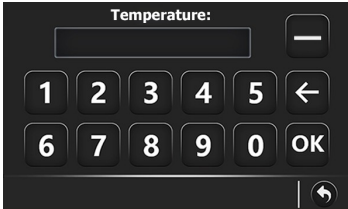
TDL-6M



LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

PROGRAM	ROTOR	SPEED	TIME	TEMP	ACC/DEC
001	cx	12X1. 5mL	1000rpm 6987kg	00:05:00	4 02/02
002		24X2mL	1001rpm 104kg	00:05:00	4 02/02
003		12X1. 5mL	1001rpm 70kg	00:05:00	4 02/05
004		12X1. 5mL	1001rpm 70kg	00:05:00	4 02/03
005		12X1. 5mL	1001rpm 70kg	00:05:00	4 02/02



	1	2	3	4	5	6	7
Speed	12000	15000	11000	8000	9000	10000	15000
Time	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Temp	4	4	4	4	4	4	4
Rotor	12X1. 5mL	Acc	02	Dec	04	Add	Del

Sys Prompt	ON	OFF	TEMP CTRL System	OFF	ECO	PERF
Key Prompt	ON	OFF	ScreenBlank Time	10s		
Password Lock	ON	OFF	Unbalanced Sensitivity	0		
Timekeeping	When reach speed	When start running	Screen Lock Time	0s		

FEATURES

User-friendly functions

- >up to 1000 user-defined programs
- >up to 1000 run histories, 100000 operation logs, can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Reservation:can reserve cooling,turn on and turn off time
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

Ensure safety

- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

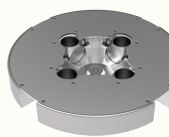
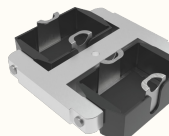
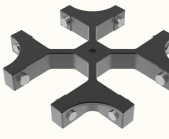
TECHNICAL DATA

Max Speed	6000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	5433xg	Noise	≤56dB(A)
Max Capacity	4x750ml	Voltage	220v
Temperature Range	-20°C ~ +40°C	Power Consumption	1500w
Temperature Accuracy	±1°C	Dimension(WxDxH)	680x600x420mm
Speed Accuracy	±10rpm	Weight	108kg

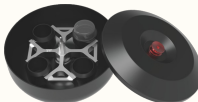
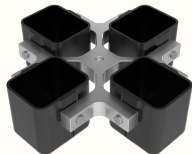
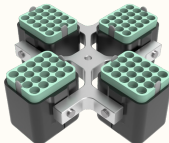
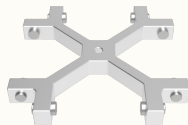
AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 Order No.: 0495030720	 Capacity: 4×50ml Order No.: 0495030310	0495030300	5000rpm/4416×g	4×1×5ml	1102020001
				4×1×10ml	1102020002
				4×1×15ml conical tube	1102020003
				4×1×30ml	1102020004
	 Capacity: 4×100ml Order No.: 0495030510	0495030500	5000rpm/4416×g	4×1×10ml glass tube	1102020006
				4×3×2ml	1102030010
				4×4×2ml frozen storage tube	1102030009
				4×1×5ml	1102030001
				4×1×10ml	1102030002
				4×1×15ml conical tube	1102030003
				4×1×30ml	1102030004
				4×1×50ml	1102030005/round tube 1102030006/conical tube
 Order No.: 0495150520	 Capacity: 32×15ml Order No.: 0495031110	0495031100	4000rpm/3094×g	32×1×2ml	1102010008
				32×1×2ml blood tube	1102010001
				32×1×7ml blood tube	1102010002
				32×1×10ml blood tube	1102010003
	 Capacity: 8×50ml Order No.: 0495030410	0495030400	4000rpm/3094×g	8×1×5ml	1102020001
				8×1×10ml	1102020002
				8×1×10ml glass tube	1102020006
				8×1×15ml conical tube	1102020003
				8×1×30ml	1102020004
	 Capacity: 8×100ml Order No.: 0495030610	0495030600	4000rpm/3094×g	8×4×2ml frozen storage tube	1102030009
				8×3×2ml	1102030010
				8×1×5ml	1102030001
				8×1×10ml	1102030002
				8×1×15ml conical tube	1102030003
				8×1×30ml	1102030004
				8×1×50ml	1102030005/round tube 1102030006/conical tube

AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	6000rpm/4990×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	6000rpm/4548×g	6×1×5ml	1102020001
				6×1×10ml	1102020002
				6×1×10ml glass tube	1102020006
				6×1×15ml conical tube	1102020003
				6×1×30ml	1102020004
Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×50ml	0495021100	6000rpm/5433×g	4×1×15ml conical tube	1101070001
	Capacity: 2×3×96 well (micro plate)	0495010700	4000rpm/2146×g	2×24×1.5/2ml	1102040001
 Order No.: 0495050110	 Capacity: 4×300ml Order No.:0495050220 Note: No suitable bottle,must choose adaptor	0495050100	4500rpm/3826×g	4×15×1.5/2ml	0497012600
				4×12×5ml	1102060011
				4×16×7ml blood tube	0497011700
				4×10×10ml	1102060012
				4×9×10ml blood tube	1102060013
				4×9×15ml conical tube	0497011200
				4×4×50ml conical tube	0497011300
				4×1×100ml	0497012500
				4×1×250ml	1102060005
	 Capacity: 4×250ml conical bottle Order No.:1004010017	0495040900	4500rpm/3826×g	/	/

AVAILABLE ROTORS

Swing out rotor							
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor			
				Capacity	Order No.		
	Capacity: 4×250ml	0495040800	5000rpm/4499×g	4×8×2ml	0497011900		
				4×8×2ml frozen storage tube	0497012300		
				4×8×5ml	0497012400		
				4×5×5ml conical tube	0497012000		
				4×10×7ml blood tube	0497012200		
				4×9×10ml	1102050014		
				4×5×15ml conical tube	0497012100		
				4×2×30ml glass tube	1102050012		
				4×2×50ml	1102050004		
				4×1×100ml	1102050006		
	Capacity: 4×600ml Note: No suitable bottle,must choose adaptor	0495020200	4000rpm/3184×g	4×18×10ml	0497013600		
				4×12×15ml conical tube	0497013700		
				4×5×50ml conical tube	0497013800		
				4x27×2~7ml blood tube decap	0497011400		
	Capacity: 80×2~7ml blood tube decap	0495070100	4000rpm/3184×g	/	/		
 Order No.: 0495190110	 Capacity: 4×700ml Order No.: 0495190120 Note: No suitable bottle,must choose adaptor	0495190100	4000rpm/3425×g	4x24x2ml	0497014900		
				4x3x100ml	1102100015		
				4×14×15ml conical tube	1102100010		
				4×5×50ml conical tube	0497014800		
				4×1×250ml conical bottle	1102100008		
				4×1×500ml conical bottle	1102100007		
	 Capacity: 4×750ml Order No.: 0495190220	0495080100	4000rpm/3327×g	4×24×2ml	0497013900		
				4×24×2ml frozen storage tube	0497014000		
				4×37×5ml RIA tube	1102100021		
				4×24×7ml blood tube	0497014100		
				4×18×10ml	0497014200		
				4×15×15ml conical tube	0497014400		
				4×14×15ml round tube	0497014500		
				4×8×30ml	0497014600		
				4×7×50ml conical tube	1102100003		
				4×3×100ml	1102100004		
				4×1×250ml	1102100005		
				4×1×500ml	1102100006		

AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 Order No.: 0495180610	 Capacity: 4×500ml Order No.: 1006010009 (without lid) Aerosol tight lid Order No.: 0495061110 Note: Aerosol tight lid cannot be used when use 500ml bottle	0495060100 (without lid) 0495061200 (with lid)	4200rpm/3551×g	4×18×2ml	0497012700
				4×18×2ml frozen storage tube	0497012900
				4×19×7ml blood tube	0497010200
				4×12×10ml	0497012800
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	0497013000
				4×1×100ml	1102070005
	 Capacity: 4×500ml (square bucket) Order No.: 0495060510 Note: No suitable bottle,must choose adaptor	0495060200	4200rpm/3551×g	4×1×250ml	1102070006
				4×25×2ml	0497013200
				4×25×2ml frozen storage tube	0497013500
				4×22×5ml	0497013300
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	0497013400
				4×5×50ml conical tube	0497010600
	 Capacity: 4×2×96 well (micro plate) Order No.: 0495060610	0495060300	4200rpm/3551×g	4×2×100ml	1102080006
				4×1×250ml	1102080007
				4×24×1.5/2ml	1102040001
	 Capacity: 96×2~7ml (blood tube) Order No.: 0495180720	0495180600	4200rpm/3551×g	/	/
	 Capacity: 148×5ml (RIA tube) Order No.: 0496061010	0495060900	4200rpm/3551×g	/	/