

Refrigerated | Low speed | Benchtop



Order No.:0105030000

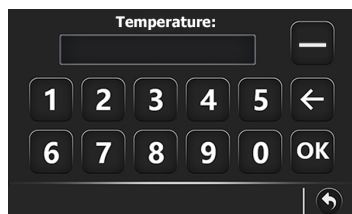
TDL-6M



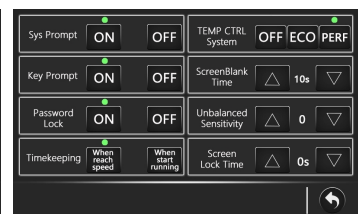
LCD touch screen

- >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 10000rpm 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



FEATURES

- ### User-friendly functions
- >up to 1000 user-defined programs
 - >up to 100000 run histories,can be exported via USB
 - >up to 40 rates acceleration and deceleration,speed downs curvelly 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.

- ### 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

- ### 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

- ### 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

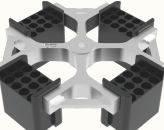
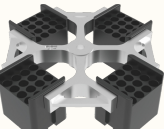
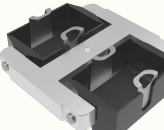
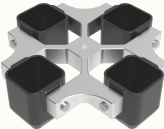
Max Speed	6000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	5201xg	Noise	≤56dB(A)
Max Capacity	4x750ml	Voltage	220v/110v
Temperature Range	-20°C ~ +40°C	Power Consumption	1500w
Temperature Accuracy	±1°C	Dimension	600x680x420mm
Speed Accuracy	±10rpm	Weight	108kg

AVAILABLE ROTORS

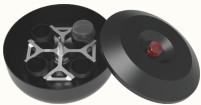
Swing out rotor									
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor					
				Capacity	Order No.				
 <p>Order No.: 0495030720</p>	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	5000rpm/4650×g	4×1×5ml	1102020001				
				4×1×10ml	1102020002				
				4×1×15ml conical tube	1102020003				
				4×1×30ml	1102020004				
				4×1×10ml glass tube	1102020006				
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	5000rpm/4650×g	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				
				 <p>Order No.: 0495150520</p>	 <p>Capacity: 32×15ml Order No.: 0495031110</p>	0495031100	4000rpm/2980×g	32×1×2ml	1102010008
								32×1×2ml blood tube	1102010001
32×1×7ml blood tube	1102010002								
32×1×10ml blood tube	1102010003								
 <p>Capacity: 8×50ml Order No.: 0495030410</p>	0495030400	4000rpm/2980×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				
			8×4×2ml frozen storage tube		1102030009				
 <p>Capacity: 8×100ml Order No.: 0495030610</p>	0495030600	4000rpm/2980×g	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

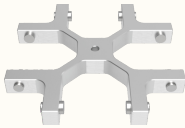


Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	6000rpm/5123×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	6000rpm/5123×g	6×1×5ml	1102020001
				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: 48×2~7ml blood tube	0495180200	4000rpm/2980×g	/	/
	Capacity: 64×2~7ml blood tube	0495180300	4000rpm/2980×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010200	4000rpm/1971×g	2×24×1.5/2ml	1102040001
	Capacity: 4×300ml Note: No suitable bottle, must choose adaptor	0495050100	4000rpm/3023×g	4×15×1.5/2ml	1102060009
				4×16×7ml blood tube decap	0497011000
				4×9×15ml conical tube	0497011200
				4×4×50ml conical tube	0497011300
				4×1×100ml	1102060004
				4×1×250ml	1102060005









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/5201×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006


	Capacity: 4×250ml (conical bottle) Order No.:0495040410	0495040400	4200rpm/3551×g	/	/
	Capacity: 8×50ml Order No.:1004010008		4200rpm/3551×g	/	/

		0495070100	4000rpm/3400×g	4×20×2~7ml blood tube decap	0497010700
				4×20×10ml blood tube	1102090009
				4×12×15ml conical tube	1102090010
				4×5×50ml conical tube	1102090011
		0495070200	4000rpm/3184×g	4×27×2~7ml	0497011400

AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>		0495060100 (without lid)	4200rpm/3551×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
 <p>Order No.: 0495180610</p>	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060200	4200rpm/3551×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>		0495060300	4200rpm/3551×g	4×24×1.5/2ml	1102040001
				Capacity: 96×2~7ml (blood tube) Order No.: 0495180720	0495180600
 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>		0495060900	4200rpm/3551×g	/	/

AVAILABLE ROTORS

Swing out rotor										
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor						
				Capacity	Order No.					
 <p>Order No.: 0495190110</p>	 <p>Capacity: 4×700ml Order No.: 0495190120</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495190100	4000rpm/3500×g	4×14×15ml conical tube	1102100010					
				4×5×50ml conical tube	1102100009					
				4×1×250ml conical bottle	1102100008					
				4×1×500ml conical bottle	1102100007					
	 <p>Order No.: 0495190110</p>	 <p>Capacity: 4×750ml Order No.: 0495190220</p>	0495080100	4000rpm/3500×g	4×24×2ml	1102100011				
					4×24×2ml frozen storage tube	1102100020				
					4×37×5ml RIA tube	1102100021				
					4×24×7ml blood tube	1102100001				
					4×18×10ml	1102100019				
					4×14×15ml	1102100017/round tube 1102100002/conical tube				
					4×8×30ml	1102100018				
					4×7×50ml conical tube	1102100003				
					4×3×100ml	1102100004				
					4×1×250ml	1102100005				
					4×1×500ml	1102100006				
						Capacity: 6×250ml	0495040600	4000rpm/3581×g	/	/