

## Refrigerated | Low speed | Benchtop

TDL-6



Order No.:010010600



## 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 69874g	00:05:00	4 02/02
002		24X2mL	10001rpm 104kg	00:05:00	4 02/02
003		12X1.5mL	10001rpm 70kg	00:05:00	4 02/05
004		12X1.5mL	10001rpm 70kg	00:05:00	4 02/03
005		12X1.5mL	10001rpm 70kg	00:05:00	4 02/02



Speed	1	2	3	4	5	6	7
Time	12000	15000	11000	8000	9000	10000	15000
Temp	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Rotor	4	4	4	4	4	4	4
Acc	12X1.5mL	10001rpm 69874g	10001rpm 104kg	10001rpm 70kg	10001rpm 70kg	10001rpm 70kg	10001rpm 70kg
Dec	02	04	04	04	04	04	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	ON	OFF	When reach speed	When start running	Screen Lock Time	△ 0s

## FEATURES

## User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories
- >up to 40 rates acceleration and deceleration, speed downs curvily 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 hinge 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: 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

Model	TDL-6	Speed Accuracy	±10rpm
Max Speed	6000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	5123xg	Noise	≤60dB(A)
Max Capacity	4x250ml	Power Consumption	1200w
Temperature Range	-20°C ~ +40°C	Dimension	580x640x390mm
Temperature Accuracy	±1°C	Weight	82kg

## AVAILABLE ROTORS



Order No.:10000401000

Rotor: Swing out rotor  
Capacity: 4×100ml  
Max speed:5000rpm  
Max RCF:4650×g  
Tube size:Φ38×114mm



Order No.:10000400500

Rotor: Swing out rotor  
Capacity: 4×50ml  
Max speed:5000rpm  
Max RCF:4650×g  
Tube size:Φ30×116mm



Order No.:10003200150

Rotor: Swing out rotor  
Capacity: 32×15ml  
Max speed:4000rpm  
Max RCF:2980×g  
Tube size:Φ17×121mm



Order No.:10000800500

Rotor: Swing out rotor  
Capacity:8×50ml  
Max speed:4000rpm  
Max RCF:2980×g  
Tube size:Φ30×116mm



Order No.:10000801000

Rotor: Swing out rotor  
Capacity:8×100ml  
Max speed:4000rpm  
Max RCF:2980×g  
Tube size:Φ38×114mm



Order No.:10000402500

Rotor: Swing out rotor  
Capacity:4×250ml  
Max speed:4000rpm  
Max RCF:2980×g  
Tube size:Φ63×111mm

	Capacity	Order No.
A d a p t e r	8×50ml	10200800502
	4×100ml	10200401000
	36×10ml	10203600100
	40×7ml	10204000077
	20×15ml	10202000150



Order No.:10004800077

Rotor: Swing out rotor  
Capacity:48×2~7ml blood tube  
Max speed:4000rpm  
Max RCF:2980×g  
Tube size:Φ13×75~100mm



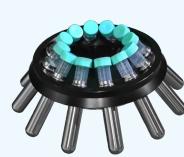
Order No.:10006400077

Rotor: Swing out rotor  
Capacity:64×2~7ml blood tube  
Max speed:4000rpm  
Max RCF:2980×g  
Tube size:Φ13×75~100mm



Order No.:10100600500

Rotor: Fixed angle rotor  
Capacity: 6×50ml  
Max speed:6000rpm  
Max RCF:5123×g  
Tube size:Φ29×116mm



Order No.:10101200150

Rotor: Fixed angle rotor  
Capacity: 12×15ml  
Max speed:6000rpm  
Max RCF:5123×g  
Tube size:Φ17×121mm



Order No.:10000600024

Rotor: Microplate rotor  
Capacity:2×3×96 well plate  
Max speed:4000rpm  
Max RCF:1971×g  
max: 128×87×60mm