

Table Top Low Speed Centrifuge KT-TDL4 Operation Instruction



ETHINK KETHINK KETHINK KETHINK Please read this manual carefully before use.

Subject to change without ETHINK KETHINK KETHINK KETHINK KETHINK KETHINK ETHINK KETHINK KETHINK KETHINK KETHINK KETHINK KETHINK KETHINK CHANGSHA KETHINK S&T CO.,LTD. read this manual carefully before us

Subject to change without notice!

CHANGSHA KFT.

KETHIM KETHIM



Product Name: Centrifuge

KETHIMA KETHIMA

Product Model: KT-TDL4 Table Low Speed Refrigerated Micro volume

Centrifuge

Main Components:

system (in refrigerated medical centrifuge) and safety protection system.

Applicable People:

WETHING RETHING RETHIN This product is only applicable to trained professional operators and

technicians.

Operation Attention:

Non-professional operators are forbidden to use.

Warning & Suggestive Content: display on device screen.



KETHINK KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETHINK

KETH Storage Condition & Method:

Store in the room which is a force of corrosive. KETHINK KITINK KITI Store in the room which is ventilated, dry, light-proof and free

KETHIMA KETHIMA KETHIMA

Warranty:

KETHIMA KETHIMA KETHIMA



Precautions & Security Warnings

KETHIMA KETHIMA KETHIMA KETHIMA KETHIMA KETHIMA

- 1) Please read the operation instruction handbook before use.

 2) To avoid instrument failure, DO NOT keep temperature or dustrial.
- 3) DO NOT move or open its door when instrument is running.
- 4) Instrument should be put in solid & flat desktop, four rubber feet should be in contact with the desktop with uniform stress.
- 5) Keep liquid volume in centrifuge tubes the same by visual inspection. A large vibration will occur if liquid volume is uneven. Instrument must be stopped immediately, check liquid volume to make sure they are the same, centrifuge tubes must be placed symmetrically in even numbers.
- 6) Open instrument door and keep inner cavity clean and dry after use.
- 7) Instrument use power supply must have a reliable grounding line. RETHINK RETHIN KETHINK KITINK KITI

KETHINK KETHINK KETHINK

KETHINK KETHINK



Safety Warning:

1) To avoid damage in instrument mechanical or electrical part, **DO NOT**

KETHIM

KETHIM

- 2) To avoid damage in instrument mechanical or electrical part, DO NOT keep instrument in damp/ high temperature.
- 3) To avoid instrument damage, When separate acidic or alkaline substances, **DO NOT** spill it into instrument cavity.
- 4) **DO NOT** use if there is crack on rotor body / hanging cup.
- Under the situation of large rotor weighing error / unbalanced rotors, operation is forbidden.
- 6) To avoid accidents, exceed the maximum speed set by the rotor and operate instrument is forbidden.

After Sales Service:

KETHIMA KETHIMA KETHIN

- 1) 1 year warranty (within one year from the date of purchase).
 2) If damage NOT cause ' ' damage, we promise to bear all the costs within warranty period. After warranty period, only maintenance costs. KETHINK KETHINK KETHINK KETHINK KETHINK KETHINK KETHINK KETHINK KETHIMA KITIMA KETHIMA KETHIMA KETHIMA KITIMA K KETHINK KETHINK

KELL



KELL

KEL

ETHIM KEN

KETHIMA KELI KETHIMA KETI KETHIM KEN

ETHINK KETHINK KT-TDL4 desktop low-speed refrigerated centrifuge (hereinafter eferred to as this machine) can be widely used in cliciochemistry, genetic enc. ETHINK KETHINK biochemistry, genetic engineering, radioimmunology and other fields, and is an ideal experimental instrument for scientific reco and is an ideal experimental instrument for scientific research institutes

and major hospitals. This machine adopts DC hrushi and major hospitals. This machine adopts DC brushless motor, microcomputer control, touch panel, digital display for low noise, small vibration. mospitals. This machine adopts DC brushless motor, microcomputer control, touch panel, digital display, fast lifting speed, low noise, small vibration, and electronic door lock is safe.

(See table 1 & table 2 for the (See table 1 & table 2 for the main technical parameters). ETHINK KETHINK KETHINK KELHIMA KELHIM Table 1: Main Technical Parameters

HHK (SE	ee table 1 & table 2 for the ma	in technical parameters).	the state of
L. Fill A	Table 1: Mair	Technical Parameters	EL. E
IN IN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	in the the the the	t lest
in. Elli. K	Туре	KT-TDL4	ELK. E
14 , 14	Max Speed	5000rpm	+ 14
HI. ELHI. K	Max RCF	3354xg	ETHIN E
14 14	Max Capacity	12*5/7ml	the state of
H, ETH, K	Speed Accuracy	±10rpm	EIH E
14 14	Timer Range	1-99min	the state of
Y. KIHI. K	Display	LCD CHILD	ETH. E
4, 4,	Temperature Range	-10° C∼+40° C	+ 14.
HI. ELHI.	Temperature Accuracy	±1° C	
at at	Motor	Brushless AC frequency conversion	t
HILL SETHING	Power	600W	
1 1 x	Noise	≤65dB(A)	t 74
HILL THILL OF	Voltage	AC 220V 50HZ 10A	
The state of the s	Compressed Units	Imported environmentally friendly	F - "#
HILL KETHILL K	ELHILE, FELHILE, FELHILE, FELH	IL. SELHILL FELHILL FELHILL	ETHIR E
HIM THIM	THINK THINK THINK TH	IN THINK THINK THINK	A THINK
1/2 /		K K K K	K K



	KI	KI		E. K		E	作, 作,	KE!	KEI	KEI
ETHINA	KETHIM	# 1	KET	HINK	THIM KETHI	A KETHIM	Table Top Low S	Speed Centrifu	ige Elli	KETHIN
ETHINA	KETHINK	K	1 M	Full Pow	ver	NY KETHINY	refrigerants 1KW	M KETHING	KETHIM!	ETHIN
ETHINK	KELHIMA	KEY	Ins	Net Wei	1/1/1/1/1	450*3	50Kg 370*380mm(L*D	*H)	KETHINA	KETHIN
ETHINA	KETHIM	KE	NA .	ETHIM K	Table 2: o	optional rot	ors HIM	MA KELHIMA	RETHING!	KETHIN
ETHINA	KETHINK	K	NO	Item	Max Speed(rpm)	Max RCF ×g	Max Capacity(ml)	Size(mm)	KETHIN	ETHIN
11	- 11	- 1	NO 1	Angle reter	E000rnm	225/va	12vEml	₼10∨42	- 11	- 1

th.	- HA	1/2	Net Wei	ght	the st	50Kg	the the	- 14	, ,
	YI.	In	strument Dim	nension	450*3	370*380mm(L*D	*H)	KETHIL	KELHI
ETHINK KELI	ALEY KE	HIM	KETHIM KE	Table 2: c	optional rot	ors Hill	A KELHIM	KETHIM	KETHI
IN	NH.	THI.	NA.	1 th 15	the letter	1/4 15	the left	1/1/	
	N. KE	NO	Item	Max Speed(rpm)	Max RCF ×g	Max Capacity(ml)	Size(mm)	FELH.	KELIK.
NA THE	1/4	NO.1	Angle rotor	5000rpm	3354xg	12×5ml	Ф10×42	- W	1
		NO.2	Angle rotor	5000rpm	3354xg	16×5ml	Ф10×42		CHI
" Th	18 H	NO.3	Horizontal Rotor	4000rpm	2146xg	12×5/7ml	Ф13×75	- 1 Th	4
			KIN K	IH, KIH,	ETH	FELH, FELH	KELHI	KELHII.	KEIHI
WHY I	1 2.	Insta	llation	THE WILL	A HAN	THE WILL	A HAY	W W	
	A) T	he po	wer supply o	of this machi	ne is single	-phase AC 220V,	50Hz 10A.	KEN, IL	KELL

- A) The power supply of this machine is single-phase AC 220V, 50Hz 10A.

 B) The power supply should have a safe ground wire and supply. It is strictly forbidden ETHINK KETHINK supply should have a safe ground wire and a safe power supply. It is strictly forbidden to replace the zero wire with the ground wire. Do not arbitrarily pull or modify the wires of the mack.

 C) The indoor environment. KETHIMA KETHIM
- not have any corrosive gas and the relative humidity should not be greater than 85%. There should be no other strong vibration.

 The table on which the machine is and in the relative humidity should not be greater than 85%. The table on which the machine is placed should have sufficient rigidity and hardness to support the instrument, and the table 'without any slope. and hardness to support the instrument, and the table should be flat without any slope, so that the four rubber feet of the stable contact with the table. O KETHINK KETHINK אים any slope, so that th stable contact with the table. ne, kethink ru KETHIMA KETHIMA 4 KETHINK JETHINK KETHINK

ETHINK KETHINK KETHINK KETHINK



KETHINK KETHINK KETHINK KETHINK KETHINK

KETHIMA KETHIMA KETHIMA KETHIMA

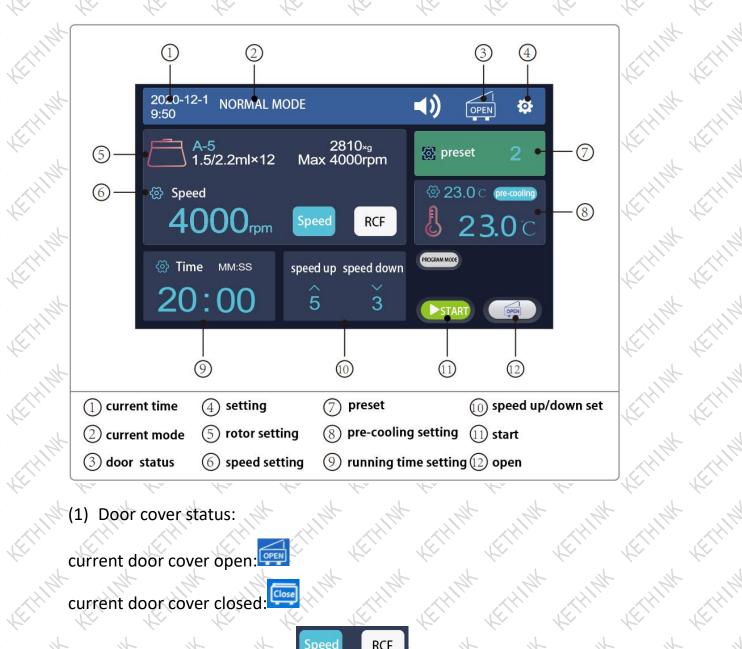
3. Operation Instructions

3.1 Place the centrifuge on a flat table or table. The four rubber feet should be firmly in contact with the plane. Visually check to make it balanced. Shake the centrifuge gently by hand to check whether the centrifuge is placed stably.

KETHIM

- 3.2 Open the door cover, put the centrifuge tube into the rotor test tube hole, the centrifuge tube must be placed in an even number and symmetrically (the test solution of the high-speed centrifuge centrifuge Recheck whether the test tube is placed symmetrically and the screws are tightened tube should be weighed), pay attention to tighten the rotor cover.
- 3.3 Close the door cover is classic. power outlet and press the power switch.
- 3.4 Set the rotor number, speed, temperature, time: (the operation the state of the s RETHINK RETHIN ETHINK KETHINK KETHINK KETHINK KETHINK KETHINK KETHINK KETHINK





current door cover open: current door cover closed:

- RCF to switch the display to set (2) Speed/RCF setting: press centrifugal force, the blue background is the current parameter;
- REPHINK REPHIN the actual temperature (23° C in Figure 1) and turn on the pre-cooling (3) Pre-cooling setting: set the temperature (20.0° C in Figure 1), display
- function (4) Set rotor number: 1.5/2.2ml×12 KETHINK KETHINK KETHIMA KETHIMA KETHIM KETHIM KETHIMA OKETHI KETHIMA KETHI



Click on the settable parameter area, and a numeric keyboard will appear indicating the current range of parameters that can be set. Input the data within the range. After pressing "Enter", the numeric keyboard will be automatically exited. The input data is the set parameter value. save automatically, otherwise Then press "Exit", the parameter value will not be saved; (Note: The rotor number of the instrument has been set before leaving the factory, and it is necessary to operate this function only when multiple rotors are equipped.) The rotor number must correspond to the matching rotor of this machine.

(5) Speed setting:



Click the number "4000", a numeric keyboard will appear, enter the required speed value, and then click "Enter".



Click the number "20:00", a numeric keyboard will appear, enter the required time value. (**Note:** the "20" position is the minute setting, and the "00" position is the second setting), and then click "Enter".

- (7) Temperature setting: Click the number "23.0", a numeric keyboard will appear, enter the desired temperature value, and then click "Enter".
- (8) After all parameter settings are completed, close the door and click the "START" button to run the instrument.



4.Precautions

- 4.1. The table on which the centrifuge is placed should be flat, and the four rubber feet should be in contact with the table and evenly stressed to avoid vibration.
- 4.2. The centrifuge tube should be weighed and balanced. If the liquid difference is too large, large vibration will occur during operation.

 At this time, it should be stopped for inspection to make the liquid volume meet the requirements. The centrifuge test tube must be placed in even numbers and symmetrically.
- 4.3. If the centrifugal test tube is broken during operation, it will cause large vibration and should be stopped immediately.
- 4.4. After pressing the "Start" button, if the instrument cannot be started, check whether the door cover is closed.
- 4.5. The time interval between restarting after each shutdown shall not be less than 5 minutes to avoid damage to the compressor due to stalling.
- 4.6. After each centrifugation, the rotor must be taken out. (Unscrew the rotor cover and screw it into the center hole of the rotor with a T-shaped handle to lift it out.) Otherwise, if it is placed on the shaft for a long time, it may rust and the rotor will not be taken out. The whole centrifuge is scrapped.
- 4.7. The service life of the main engine of this machine is 10 years, and



ETHINK REIT

ETHINK KETHINK

KETHIMA KEN KELHIMA KELI when it expires. All rotors must not be used above their maximum speed. ETHINK KETHINK RETHINK RETHING

EETHIM KE'I'

5. Troubleshooting

5. Troubleshooti	ng 11th 11th 11th	11/24 11/24 11/24
Common Fault	Possible Reason	Solution
Power on, display	No 220V power	Check power supply
	Fuse burnt	Check & replace
window does not light up	Transformer power plug and control board loose	Insert tight
E E	Door not closed	Close door
JETHIM JETHIM	Wiring plug and circuit board loose	Insert tight
Dun ((ataut))	Power transformer damaged	Replace
Press "start", rotor not work	Motor is powered but does not rotate, the motor or motor module is damaged	Replace motor/ module
THIM THIM	Circuit board damage	Contact manufacturer for replacement
Centrifuge	Asymmetric placement of centrifuge tubes in the rotor	Check
vibrates	Centrifuge tube broken	Check & replace
	Rotor is not spinning	Check

check & replace
Check

The instrument is faulty, please check the fault condition

corresponding to the fault number, and then solve the fault of the instrument according to the actual situation. Press the stor '

the fault display.

--1: 1006 ETHINK KETHINK the fault display.

E-1: unbalance -
E-4: Hall '

	tr.	corresponding t	to the fa	ault numbe	er, and th	nen solve	the fa	ult of th	e Kr	- Ar
ETHIA	KEIHIIA	instrument acco	ording to	the actual	situation.	Press th	e stop ke	ey to clea	rETHIR	KEIHII
- HAI	, At	the fault display	x 1	st at	THE STATE OF THE S	- HA	· Alt	· N	N	
		E-1: unbalanced		E-2: overspe	eed	E-3:	door	TIN,		
	F	E-4: Hall bug	4	E-5:Overvolta	_	4	4	F	1	F
- NA	1/2	· W	At 18	(shutdown)	N. A.	J. J.	N. C. W.	· Alt	- N	4
	KEIHI	ELH, ELH,	KELHI	ETH	9 ()	KETHI	KELHI	KETHI	KETHI	KETHI
MA	W/W	THE THE	A MI	A WAY	W/W	W/W	W/W	· IN	WILL	1/4
	KELL.	ELL FILL	KELL	TELL.	KELL.	KELL	KELL	KIL	KELL	FELL



	Eli Eli A			作。作
ETHINK LETHIN	XX KETHINK	ETHINK KETHINK KETHINK	Table Top Low Speed Centrifug	e ETHIN ETHIN
at a	E-6: Overcurrent	E-7: no speed test	E-8: communication	
ETHILL ETHILL	E-9: External input pover fluctuation is too large	ver E-10: Temperature Sensor	THIS KEIHILL KEIHILL	ETHIN ETHIN
ETHINK ETHIN	6 Warranty	ETHINK ETHINK	THINK ETHINK ETHINK	ETHINK ETHIN
ir kr	6. Warranty	in the interest to	in the interest	An An

Warranty

1 year warranty (within one year from the date of purchase).

If damage NOT caused by inappropriate operation / move promise to bear all the costs within eriod, only maintenance. __ year warranty (within one year from the date of purchase).

If damage NOT caused by inappropriate operation / man-made damage,

we promise to bear all the costs within warranty period. After warranty period, only maintenance costs be charged. Elling El

KEI



KELL

KEI

Certificate of Conformity

KETHIM KELI

KETHIM

ced High Kerling Kerli KELHIMA KELHIMA HIM KETHIM KITIM KITIM KETHIM KETHIM KETHIM KITIM KETHIM KETHIM KITIM HIM KELHIM KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KELHIM

KEL Litrig LEPHINA Tabletop Low-speed Refrigerated **Product Name:**

ETHINK KETHINK KETHINK ETHINK KETHINK Centrifuge

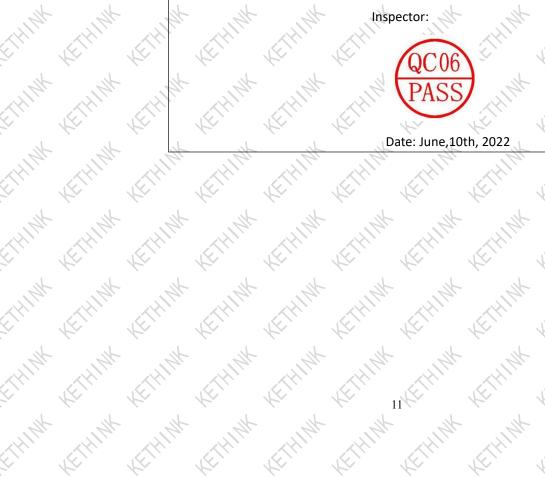
Product Model: KT-TDL4

This product has been tested and proved to be ed for delivery in conformity with technical stars. Product No:

Max Speed:

Max S This product has been tested and proved to be qualified for delivery in conformity with technical standard.

Inspector:





KELHIMA KELI Company Name: CHANGSHA KETHINK S&T CO.,LTD.

CHIM KELL

Production Address:

KETHINK KETHIN KELHIMA KELHIM Block B7, wulongtang community, jinjin west road, wangcheng district,

Ethia ELHAR ELINA ELINA



KETHINK Table Top Low Speed Centrifuge KT-TDL4 Tabletop Low Speed Refrigerated Centrifuge M KETHINA et KEIHIM ETHIN' Packing List

K	KETHINK (CHI)	Ta	ble Top Low Sp	eed Centrifuge
HIM KEH	KT-TDL4 Tabletop Low S Pack	peed Refrigera	ted Centri	fuge
NO	Item	Specification	Quantity	Remarks
1.11	Tabletop Low Speed Refrigerated Centrifuge	KT-TDL4	1set	Wooden box
2	Rotor	A SETHIAM SETH	M EHIM	ETHIM
3	A Rack	The Walt of	M W	- IN
4	Plastic Centrifuge Tube	ELL ELL	E	Elle &
5	Tool	M. CHIM CH	TH THIN	ETHINK (
6	Power	The last to	1pcs	F. 18
7.7	User Manual	A KETHINK KETH	1pcs	ETHINK (É
8	Certificate of Conformity	A KEHIMA KEHI	1pcs	KETHIMA K
9	Packing List		1pcs	K K
HINT	I. Elhi. Elhi. Elhi.	A KETHINA KETH	II. KEIHII.	KELHII. K
LIN WILL	IN THE THE THE		IN KETHIN	KETHINK KE
HIM KEH	IN KELHINK KELHINK KELHI	A KETHIAN KETH	igh KELHING	KELHIMA KELHIMA KELHIMA KELHIMA
HIM KEH			M KETHIN	ETHING &
HIL. LH	IL. HILL HILL HILL	M. ELHIM. ELH	La. FIHIA	KETHIMA KE