# Table Top Low Speed Refrigerated Centrifuge




## Features:

* Adopts CFC-free compressor unit and environmentally friendly refrigerant R404a, with a wide temperature range -20℃ ~+40℃, temperature adjustable during running. With refrigeration function, quickly lower the temperature the setting temperature. With standby cooling function, the set temperature can be maintained in standby state.
* Whole metal structure and multi-layer explosion-proof, safe, durable, to ensure the safety of operators.
* Embedded microprocessor control, DC brushless motor drive, maintenance-free, good shock-absorbing, stable operation.
* 5-inch LCD touch screen, supporting Chinese and English switching function, minority language can be customized, real-time display of all parameters, the operation interface is intuitive and simple.
* Electromechanical integration door lock, safe and reliable.
* Integral food-grade silicone sealing ring is used to avoid aerosol overflow and ensure the safety of operator.
* With self-test, blocking, overspeed, overtemperature and other alarm functions, excellent shock-absorb, the motor runs smoothly.
* Multiple groups of user-defined programs, easy to use common programs, boot for the last program.
* Equipped with a variety of angle rotors and adapters, suitable for 0.1m~500ml centrifugal tube, according to actual needs, to achieve a multi-purpose machine.
* Optional automatic rotor recognition.

## Technical Parameters:

| Model | BKC-TL6CR |
|---|---|
| Max. Speed | 6000rpm |
| Speed Accuracy | ±10 rpm |
| Max. RCF | 5290*g |
| Max. Volume | 4*500ml |
| Timing Range | 1s~99h59min/Continuous/Short-span |
| Temp. Range | -20°C ~+40°C |
| Temp. Accuracy | ±1℃ |
| Noise | ≤65dB |
| Power Supply | Standard: AC220V, 50/60Hz<br>Optional: AC110V, 50/60Hz |
| External Size(L*W*H) | 785*670*445mm |
| Package Size(L*W*H) | 815*915*850mm |
| Net Weight | 105kg |
| Gross Weight | 170kg(220V), 180kg(110V) |



## Rotor:

| NO. | Rotors Type | Volume | Max. Speed(rpm) | Max. RCF(×g) | Adapters |
|---|---|---|---|---|---|
| 5M00024 | Swing Rotor | 48*2/3/4/5/7ml blood collection tube | 4000 | 2952 | / |
| 5M00025 | | 48*5/7ml blood collection tube | | 2952 | 2/3/4ml blood collection tube |
| 5M00026 | | 72*2/3/4/5/7ml blood collection tube | | 2808 | / |
| 5M00027 | | 96*2/3/4/5/7ml blood collection tube | | 3104 | / |
| 5M00029 | | 16*10/15ml | | 2957 | 2/3/4ml blood collection tube, 5/7ml blood collection tube, 15ml(▲) |
| 5M00030 | | 24*10/15ml | | 2957 | |
| 5M00031 | | 32*10/15ml | | 2952 | |
| 5M00056 | | 36*10ml | | 2862 | / |
| 5M00032 | | 4*50ml | 5200 | 5290 | 50ml(▲), 20ml, 15ml, 10ml, 5ml, 1.5/2ml |
| 5M00033 | | 8*50ml | 4000 | 2952 | |
| 5M00034 | | 4*100ml | 5200 | 5290 | 16*2/3/4ml blood collection tube, 16*5/7ml blood collection tube |
| 5M00036 | | 8*100ml | 4000 | 3077 | 32*2/3/4ml blood collection tube, 32*5/7ml blood collection tube |
| 5M00037 | | 4*250ml(▲) | | 3578 | / |
| 5M00038 | | 4*250ml(flat bottom) | | 2780 | 48*1.5/2ml, 40*2/3/4/5/7ml blood collection tube, 48*2/3/4/5/7ml blood collection tube, 24*10ml(▲), 28*10ml, 20*15ml, 4*50ml(▲), 8*50ml(●), 4*100ml |
| 5M00053 | | 4*250ml(biosafety) | | 3041 | |
| 5M00058 | | 4*300ml | | 3220 | / |
| 5M00039 | | 4*500ml(flat bottom) | | 3130 | 48*2/3/4/5/7ml blood collection tube, 64*2/3/4/5/7ml blood collection tube, 36*10ml(●), 36*10ml(▲), 36*15ml(●), 36*15ml(▲), 12*50ml(●), 12*50ml(▲), 16*50ml(●), 16*50ml(▲), 48*15ml(▲), 4*250ml(flat bottom), 32*15ml(▲), 48*10ml(●) |
| 5M00054 | | 4*500ml(biosafety) | | 3399 | |
| 5M00046 | Auto Uncap Swing Rotor | 48*2/3/4/5/7ml vacuum blood collection tube（Auto uncap） | | 3220 | / |
| 5M00045 | Swing Microplate Rotor | 2*2*96 well | | 2361 | / |
| 5M00060 | PRP Swing Rotor | 4*10ml conventional syringe | 4300 | 3401 | / |
| 5M00061 | | 4*20ml conventional syringe | | 3649 | / |
| 5M00035 | | 4*50ml conventional syringe | 4000 | 3309 | / |
| 5M00072 | Angle Rotor | 12*20ml | 5000 | 3516 | 15ml, 10ml, 5ml, 1.5ml |
| 5M00073 | | 12*15ml | | 3354 | 1.5/2ml, 2/3/4ml vacuum blood collection tube |
| 5M00074 | | 8*15/20ml | | 2655 | |
| 5M00075 | | 24*10ml | | 3354 | 1.5ml, 2/3/4ml vacuum blood collection tube |
| 5M00076 | | 18*10ml | | | |
| 5M00077 | | 12*10ml | | | |
| 5M00083 | | 12*10/15ml | 6000 | 5111 | 2/3/4ml blood collection tube, 5/7ml blood collection tube, 15ml(▲) |
| 5M00069 | | 24*10/15ml | | 5031 | |
| 5M00084 | | 6*50ml | | 3904 | 50ml(▲),20ml,15ml,10ml,5ml,1.5ml |

With mark(●) or no mark is round-bottom tube, with mark(▲) is sharp-bottom tube.

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## Features:

* Whole metal structure and multi-layer explosion-proof, safe, durable, to ensure the safety of operators.
* Embedded microprocessor control, DC brushless motor drive, maintenance-free, stable operation.
* 5-inch LCD touch screen, supporting switching between Chinese and English and other languages can be customized.
* Real-time display of all parameters, the operation interface is intuitive and simple.
* Electromechanical integration door lock, safe and reliable.
* Integral food-grade silicone sealing ring is used to avoid aerosol overflow and ensure the safety of operator.
* Adopts CFC-free compressor unit and environmentally friendly refrigerant R404a, with a wide temperature range: -20℃~40 ℃, temperature adjustable during running. With refrigeration function, quickly lower the temperature the setting temperature. With standby cooling function, the set temperature can be maintained in standby state.
* With self-test, blocking, overspeed, overtemperature and other alarm functions, excellent shock-absorb, the motor runs smoothly.
* Multiple groups of user-defined programs, easy to use common programs, boot for the last program.
* Equipped with a variety of angle rotors (aviation forged aluminum) and varieties of adapters, suitable for 0.1ml~10ml centrifugal tube(BKC-TH16RB) and 0.1ml~100ml centrifugal tube(BKC-TH16RC-I), according to actual needs, to achieve a multi-purpose machine.
* Optional automatic rotor recognition.

## Technical Parameters:

| Model | BKC-TH16RC-I | BKC-TH16RB |
|---|---|---|
| Max. Speed | 16500rpm | |
| Speed Accuracy | ±20 rpm | |
| Max. RCF | 23072×g | |
| Max. Volume | 4*100ml | 12*10ml |
| Refrigeration System | CFC-free compressor, R404a | |
| Timing Range | 1s~99h59min/Continuous/Short-span | |
| Temp. Range | -20℃~+40℃ | |
| Temp. Accuracy | ±1℃ | |
| Noise | ≤65dB | |
| Power Supply | Standard: AC220V, 50/60Hz<br>Optional: AC110V, 50/60Hz | |
| External Size(L*W*H) | 606*572*361mm | |
| Package Size(L*W*H) | 700*670*670mm | |
| Net Weight | 62kg | |
| Gross Weight | 70kg(220V), 75kg(110V) | |






## Rotors for BKC-TH16RC-I:

| NO. | Type | Volume | Max Speed(rpm) | Max RCF(×g) | Adapters |
|---|---|---|---|---|---|
| 16M0003 | Angle Rotor | 8*7ml | 14000 | 16435 | / |
| 16M0004 | | 12*10/15ml(Low speed) | 6000 | 3743 | 2/3/4ml blood collection tube, 5/7ml blood collection tube, 15ml(▲) |
| 16M0005 | | 12*10ml(High speed) | 12000 | 14328 | 1.5ml, 5ml |
| 16M0006 | | 12*1.5/2ml | 16500 | 19176 | 0.2ml, 0.5ml |
| 16M0007 | | 18*1.5/2ml | 15000 | 18866 | 0.2ml, 0.5ml |
| 16M0008 | | 24*1.5/2ml | 14000 | 19722 | 0.2ml, 0.5ml |
| 16M0090 | | 36*1.5/2ml | 13000 | 19159 | 0.2ml, 0.5ml |
| 16M0091 | | 48*1.5/2ml | 13000 | 19159 | 0.2ml, 0.5ml |
| 16M0085 | | 40*0.2ml | 16500 | 23072 | / |
| 16M0086 | | 24*0.5ml | 16500 | 21306 | / |
| 16M0087 | | 30*0.5ml | 13000 | 15210 | / |
| 16M0088 | | 40*0.5ml | 13000 | 15267 | / |
| 16M0089 | | 4*8*0.2ml pcr | 13000 | 11941 | / |
| 16M0009 | | 10*5ml | 14000 | 15339 | 1.5/2ml |
| 16M0010 | | 8*15ml(▲) | 12000 | 15294 | 5ml(▲) |
| 16M0011 | | 8*15ml(●) | 12000 | 15294 | / |
| 16M0017 | | 10*15ml | 11000 | 12581 | / |
| 16M0012 | | 6*50ml(▲) | 11000 | 13798 | 15ml(▲),50ml(●) |
| 16M0013 | | 6*50ml(●/Flat) | 11000 | 13798 | / |
| 16M0062 | Swing Rotor | 8*10/15ml | 4000 | 2522 | 2/3/4ml blood collection tube, 5/7ml blood collection tube, 15ml(▲) |
| 16M0063 | | 12*10/15ml | 4000 | 2683 | |
| 16M0064 | | 4*50ml | 4000 | 2522 | 50ml(▲), 20ml, 15ml, 10ml, 5ml, 1.5/2ml |
| 16M0065 | | 6*50ml | 4000 | 2504 | |
| 16M0066 | | 4*100ml | 4000 | 2379 | 2/3/4ml blood collection tube, 5/7ml blood collection tube |
| 16M0020 | | 24 Capillaries | 12000 | 14170 | / |

## Rotors for BKC-TH16RB:

| NO. | Rotors Type | Volume | Max. Speed(rpm) | Max. RCF(×g) | Adapters |
|---|---|---|---|---|---|
| 16M0003 | Angel Rotor | 8*7ml | 14000 | 16435 | / |
| 16M0004 | | 12*10/15ml(Low speed) | 6000 | 3743 | 2/3/4ml blood collection tube, 5/7ml blood collection tub,15ml(▲) |
| 16M0005 | | 12*10ml(High speed) | 12000 | 14328 | 1.5/2ml, 5ml |
| 16M0006 | | 12*1.5/2ml | 16500 | 19176 | 0.2ml, 0.5ml |
| 16M0007 | | 18*1.5/2ml | 15000 | 18866 | 0.2ml, 0.5ml |
| 16M0008 | | 24*1.5/2ml | 14000 | 19722 | 0.2ml, 0.5ml |
| 16M0009 | | 10*5ml | 14000 | 15339 | 1.5/2ml |
| 16M0085 | | 40*0.2ml | 16500 | 23072 | / |
| 16M0086 | | 24*0.5ml | 16500 | 21306 | / |
| 16M0087 | | 30*0.5ml | 13000 | 15210 | / |
| 16M0088 | | 40*0.5ml | 13000 | 15267 | / |
| 16M0089 | | 4*8*0.2ml | 13000 | 11941 | / |
| 16M0020 | Swing Rotor | 24 Capillaries | 12000 | 14170 | / |
| 16M0062 | | 8*10/15ml | 4000 | 2522 | 2/3/4ml blood collection tube, 5/7ml blood collection tube, 15ml(▲) |
| 16M0063 | | 12*10/15ml | 4000 | 2683 | |

# Table Top High Speed Refrigerated Centrifuge




## Introduction:

BKC-TH21RM is equipped with a variety of rotors for choice, and can design a variety of adapters according to the requirements, one machine multi-purpose. With refrigeration system, can accurately control the temperature of the ventricle, improve centrifugal efficiency.

## Features:

* Multi-stage shock absorption, low vibration, low noise.
* Embedded microprocessor control, DC brushless motor drive.
* LCD display, real-time display of all running parameters.
* Imported non-fluorine compressor unit, double cycle refrigeration.




## Technical Parameters:

| Model | BKC-TH21RM |
|---|---|
| Max Speed | 21000rpm |
| Max RCF | 30700×g |
| Max Capacity | 4*500ml |
| Speed Precision | ±1% or ±20rpm |
| Timing Range | 1s~99min59s |
| Temperature Range | -20~40℃ |
| Noise | ≤65dB |
| Consumption | 1200W |
| Power Supply | AC220V, 50/60Hz(Standard); AC110V, 60Hz(Optional, external transformer) |
| External Size(W*D*H) | 670*750*440mm |
| Package Size(W*D*H) | 900*820*710mm |
| Net Weight | 111kg |
| Gross Weight | 132kg |

## Rotor:

| No. | Rotor | Max. Capacity | Max. Speed(rpm) | Max. RCF(×g) | Adapter |
|---|---|---|---|---|---|
| No.1 | Swing Rotor Support | 4*500ml | / | / | / |
| | Hanging Cup | 4*500ml | / | / | / |
| | Adapter | 4*250ml | 4000 | 3023 | / |
| | | 4*2*100ml | | 3023 | / |
| | | 4*100ml(▲) | | 3023 | / |
| | | 4*100ml | | 3023 | / |
| | | 4*3*50ml | | 3023 | / |
| | | 4*2*50ml | | 3023 | / |
| | | 4*50ml | | 2808 | / |
| | | 4*4*30ml PP tube | | 2808 | / |
| | | 4*9*15ml | | 2808 | / |
| | | 4*8*15ml(▲) | | 2808 | / |
| | | 4*8*15ml | | 2808 | / |
| | | 4*12*10ml | | 3184 | / |
| | | 4*12*5ml blood collection tube | | 2808 | 48*2ml |
| | Tube Rack | 4*16*10ml | 4000 | 2810 | / |
| | | 4*20*7ml PP tube | | 3139 | / |
| | | 4*24*5ml blood collection tube(106mm) | | 3032 | 96*2ml |
| | | 4*24*5ml blood collection tube(100mm) | | 3032 | 96*2ml |
| | | 4*20*5ml blood collection tube(106mm) | | 3050 | 80*2ml |
| | | 4*24*2ml blood collection tube | | 2585 | / |
| | | 4*20*2ml blood collection tube(80mm) | | 3050 | / |
| | | 4*25*1.5ml | | 2808 | / |
| No.2 | Swing Rotor Support | 4*250ml | / | / | / |
| | Hanging Cup | 4*250ml | / | / | / |
| | Adapter | 4*1*100ml | 4000 | 2379 | / |
| | | 4*1*50ml | | 2379 | / |
| | | 4*9*10ml | | 2379 | / |
| | Tube Rack | 4*4*50ml | 4000 | 3500 | / |
| | | 4*2*50ml(▲) | | 3023 | / |
| | | 4*20*5ml | | 3139 | / |
| | | 4*18*5ml blood collection tube(L106mm) | | 2808 | 72*2ml |
| | | 4*12*5ml blood collection tube(L75mm) | | 2808 | / |
| | | 4*12*5ml blood collection tube(L100mm) | | 2808 | 48*2ml |
| | | 4*12*5ml blood collection tube(L106mm) | | 2808 | 48*2ml |
| | | 4*10*5ml blood collection tube(L106mm) | | 2808 | 40*2ml |
| No.3 | Swing Rotor Support | SUS304 Support | / | / | / |
| | Hanging Basket | 4*2*100ml | 4000 | 3175 | / |
| | | 4*1*100ml | | 3007 | / |
| | | 4*2*50ml | | 3022 | 50ml(▲),15ml(●) |
| | | 4*1*50ml | | 2846 | |
| | | 4*8*15ml | | 3030 | 15ml(▲),10ml(▲),10ml blood collection tube, 5ml blood collection tube, 2ml blood collection tube(L75) |
| | | 4*6*15ml | | 2705 | |
| | | 4*4*15ml | | 2705 | |
| | | 4*8*10ml | | 3030 | / |
| | | 4*6*10ml | | 2705 | / |
| | | 4*4*10ml | | 2705 | / |
| No.4 | Microplate Rotor | 2*2*96well | 4000 | 2300 | / |
| No.5 | Angle Rotor | 30*0.5ml | 18000 | 26660 | / |
| No.6 | | 40*0.5ml | 15000 | 22920 | / |
| No.7 | | 12*1.5/2ml | 21000 | 30700 | 12*0.5ml, 12*0.2ml |
| No.8 | | 20*1.5/2ml | 15000 | 17860 | 20*0.5ml, 20*0.2ml |
| No.9 | | 24*1.5/2ml | 16000 | 23438 | 24*0.5ml, 24*0.2ml |
| No.10 | | 30*1.5/2ml | 13500 | 19340 | 30*0.5ml, 30*0.2ml |
| No.11 | | 36*1.5/2ml | 13000 | 19159 | 36*0.5ml, 36*0.2ml |
| No.12 | | 48*1.5/2ml | 13000 | 17930 | 48*0.5ml, 48*0.2ml |
| No.13 | | 10*5ml | 16000 | 16600 | / |
| No.14 | | 6*10ml | 12000 | 14000 | / |
| No.15 | | 12*10ml | 16000 | 21500 | / |
| No.16 | | 6*50ml | 14000 | 22130 | / |
| No.17 | | 6*50ml(▲) | 14000 | 22130 | / |
| No.18 | | 6*100ml | 10000 | 13975 | / |
| No.19 | | 4*8PCR | 13000 | 10407 | / |

Note: The default is round-bottom tube, with mark (▲) is sharp-bottom tube