

## Table Top High Speed Centrifuge



### Features for BKC-TH16II:

- \* DC Brushless motor with high start torque and frequency inversion for smooth running, maintenance-free.
- \* Microprocessor control, LED display, Memory flashing function, conversion of RPM/RCF.
- \* External cold-rolled steel with powder coating steel, stainless steel centrifugal chamber.
- \* Procedures of adjustable speed from grad 0 to 9 and 40 kinds of self-defining models.
- \* Functions: Electronic lock lid, imbalance detection, over-speed protection, inching function, short-spin function.

### Technical Parameters:

| Model                  | BKC-TH16II                                         |
|------------------------|----------------------------------------------------|
| Max. Capacity          | 4*100ml                                            |
| Max. Speed             | 16600rpm                                           |
| Max. RCF               | 19200×g                                            |
| Speed Precision        | ±30rpm                                             |
| Timing Range           | 0~99min                                            |
| Noise                  | ≤65dB                                              |
| Power Supply           | AC220±22V 50/60Hz(Standard); AC110V 60Hz(Optional) |
| External Size(W*D*H)mm | 400*350*340                                        |
| Package Size(W*D*H)mm  | 760*440*530                                        |
| Net Weight(kg)         | 30                                                 |
| Gross Weight(kg)       | 60                                                 |

### Rotor:

| No.   | Rotor       | Max. Speed(rpm) | Max. RCF(xg) | Max. Capacity | Dimension of Tube(mm) |
|-------|-------------|-----------------|--------------|---------------|-----------------------|
| No.1  | Angle Rotor | 16600           | 19200        | 18*0.5ml      | Φ8*32                 |
| No.2  |             | 16600           | 19200        | 12*2.0/1.5ml  | Φ10*42                |
| No.3  |             | 13000           | 16060        | 48*0.5ml      | Φ8*32                 |
| No.4  |             | 13000           | 16060        | 24*2.0/1.5ml  | Φ10*42                |
| No.5  |             | 13000           | 11500        | 10*5ml        | Φ14*54                |
| No.6  |             | 12000           | 14800        | 12*10ml       | Φ16*87                |
| No.7  |             | 12000           | 14800        | 6*50ml(●)     | Φ29*105               |
| No.8  |             | 12000           | 14800        | 6*50ml(▲)     | Φ29*116               |
| No.9  |             | 10000           | 11220        | 12*15ml(▲)    | Φ16*102               |
| No.10 |             | 10000           | 11200        | 4*100ml       | Φ38*119               |
| No.11 | Micro Plate | 4000            | 2300         | 2*2*48 well   | Microplate            |

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

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### Application:

The instrument applies to the experiments in fields of biology, medical science, agriculture, which is the first choice for heredity gene, protein nucleic acid PCR experiment.

### Features:

- \* 5-inch high-definition touch screen, easily operated, visual display.
- \* Automatically identify 7 kinds of different rotors, eliminate hidden danger brought by users' maloperation.
- \* 9 ranges for raising speed, 10 ranges for speed reduction, to effectively avoid secondary sedimentation, with better centrifugation effect.
- \* Available to store 15 series of procedure for users to adjust.
- \* Alternating frequency conversion electric machine, high precision of rotary speed control.
- \* Diverse protection setting: overspeed protect, door protect, imbalance protect, to ensure safety of both human and machine.
- \* Free conversion between rotary speed and centrifugal force.
- \* Special air duct ensures that the rotors work at normal temperature.
- \* Air-tight rotor, to effectively avoid aerosol.



### Technical Parameters:

| Model                  | BKC-TH16D                                                       |
|------------------------|-----------------------------------------------------------------|
| Max. Speed             | 16500rpm                                                        |
| Max. RCF               | 21500×g                                                         |
| Max. Capacity          | 4*100ml                                                         |
| Motor                  | Ac frequency conversion motor                                   |
| Speed Precision        | ±30rpm                                                          |
| Time Range             | Centrifugal time: 1min~99 min59sec; Continuous centrifuge: Hold |
| Power Supply           | AC220±22V 50/60Hz(Standard); AC110V 60Hz(Optional)              |
| Noise                  | < 60dB(A)                                                       |
| External Size(W*D*H)mm | 350*495*350                                                     |
| Package Size(W*D*H)mm  | 710*450*520                                                     |
| Net Weight(kg)         | 30                                                              |
| Gross Weight(kg)       | 45                                                              |

### Rotor:

| No.   | Rotor       | Max. Speed(rpm) | Max. RCF(×g) | Max. Capacity | Dimension of Tube(mm) |
|-------|-------------|-----------------|--------------|---------------|-----------------------|
| No.1  | Angle Rotor | 16600           | 19200        | 12*2.2/1.5ml  | φ10*42                |
| No.2  |             | 12000           | 13900        | 48*0.5ml      | φ8*32                 |
| No.3  |             | 14000           | 18756        | 24*2.2/1.5ml  | φ10*42                |
| No.4  |             | 13000           | 19270        | 32*2.2/1.5ml  | φ10*42                |
| No.5  |             | 12000           | 10100        | 12*5ml        | φ13*53                |
| No.6  |             | 12000           | 14800        | 12*10ml       | φ16*83                |
| No.7  |             | 12000           | 14800        | 6*50ml(●)     | φ29*105               |
| No.8  |             | 12000           | 14800        | 6*50ml(▲)     | φ29*116               |
| No.9  |             | 12000           | 15370        | 8*15ml(▲)     | φ17*121               |
| No.10 |             | 10000           | 11200        | 4*100ml       | φ38*119               |
| No.11 | Microplate  | 4000            | 2300         | 2*2*48well    | Microplate            |
| No.11 | Angle Rotor | 13000           | 16200        | 6*8*0.2ml PCR | /                     |

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