

## Hematocrit Centrifuge TD-HC-07



### Introduction:

The Hematocrit centrifuge with TD-DC-071 rotor can be used for determination of volume fractions of erythrocytes in blood for diagnostic purposes and doping tests. Also, it's used to derive plasma for the photometric determination of the bilirubin content of the blood of neonates

The Hematocrit centrifuge with TD-DC-072 tube rotor is suitable for 1.5/2mL tubes, which can be used for extraction of DNA and RNA.

### Features:

1. Speed range of 200-14000rpm, Max. RCF 18620xg
2. Micro-computer control gives high speed control and time accuracy, excellent centrifugation effect
3. Digital LCD display for the real-time parameters and the experimental process
4. Brushless DC motor, maintenance free, high accuracy speed control
5. Pulse operation for quick spins
6. Electrical lock can release the lid automatically when rotor stops to save processing time and prevent samples overheating
7. Go into a self-diagnostic check when switched on and then displays accumulative running time and last running parameters
8. Rotor capacity: Hematocrit rotor: 24 capillary, Max. speed: 12000rpm  
Tube rotor: 1.5/2mL x 24, Max. speed: 14000rpm

### Specifications:

Model	TD-HC-07
Max. Speed [rpm]	200-14000, increment:10
Max. RCF [xg]	18620, increment: 10
Speed accuracy [rpm]	±30rpm
Rotor capacity	Tube rotor: 1.5/2ml/x24 (14000rpm); Hematocrit rotor: capillary tubers x 24 (12000rpm)
Time range	Timing operation: 30s-99m Continuous operation
Driving motor	Brushless DC motor
Safety devices	Door interlock, Over-speed detector; Over-temperature detector; Automatic internal diagnosis; Automatic rotor identification
Power	Single-phase, 220V-240V, 50HZ/60HZ, 5A 110V-120V, 50HZ/60HZ, 5A
Acceleration /Braking time [Sec]	20s↑20s↓
Dimensions [mm]	(L)280x(W)364x(H)266
Weight	10kg
Additional features	Speed/RCF switch; Short-time run function; sound-alert function

### Accessory

Code	Description	Specification
TD-DC-071	Rotor	Max. speed (rpm): 14000 Max. RCF (xg): 18620 Rotor Capacity: 2mL/1.5mL x 24; 0.2mLx24; 0.5mLx24 Rotor Material: High strength plastic
TD-DC-072	Rotor	Max. speed (rpm): 12000 Max. RCF (xg): 13680 Rotor Capacity: capillary tubes x 24 Rotor Material: High strength plastic
TD-HC-071	Rotor Adapter	2mL to 0.2mL, used with TD-DC-071
TD-HC-072	Rotor Adapter	2mL to 0.5mL, used with TD-DC-071
TD-CC-001	Rotor Adapter	used with TD-DC-071
TD-HC-072	Rotor Adapter Mat	used with TD-CC-001