



# ESCH-T190

Benchtop High Speed Centrifuge



LABORATORY



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## Benchtop High Speed Centrifuge



Benchtop High Speed Centrifuge **ESCH-T190** provides you with the most cost-effective solution .

With EP tube, centrifugai force up to 25100xg (19000rpm).

Multiple rotors and adapters are available, with excellent Performance.

Equipped with 0.2ml tube to 250ml bottle, MTP , PCR and deep-well plate.

- 7 inches high sensitivity (can be directly operated with gloves) and HD touch screen, easy operation with easy readout. The setting and running parameters can be displayed simultaneously
- Directly input the setting value like speed, time, RCF, ACC and DEC and so on. It' s more convenient and accurate compared with traditional knob operation
- Automated lid locking system adds to user' s safety
- Multiple programs can be saved far fast operation.It can support 5-steps centrifugation to meet the diversified experimental needs.
- The running records and diagnostic records can be checked directly on the screen.
- Featuring 11 acceleration profiles and 12 deceleration profiles to prevent second emulsion or turbid and achieve the best centrifugal effect (the time on 10th ACC and DEC profile can be customer-designed based on the experiment requirements).

The fastest acceleration only takes 10 seconds

- Automatic rotor identification far over-speed protection.
- Providing multiple self-diagnostic protection functions against door interlock malfunction, over-speed operation, motor overheating, misoperation and communication fault etc. to ensure user' s safety.
- Front panel and door lid are moulded at one time and streamline designed with ergonomics, which is simple and elegant.
- Aerodynamic oval bucket can reduce resistance, noise and energy consumption.

## TECHNICAL SPECIFICATIONS

MaxSpeed 19000r/min	19000r/min
MaxRCF	25100xg
MaxCapacity	4x250ml
Speed Accuracy	±20r/min
TimerRange	1s-99min59s or 1min-99h59min
Timing mode	start timing after reach the set speed, Start timing when spinning, short spinning timing
Noise	≤65dB (A)
PowerSupply	AC220V±22V 50/60Hz
PowerConsumption	650W
Dimension (WxDxH)	436x560x380(mm)
Packing Dimension (WxDxH)	547x727x432(mm)
Net Weight	48kg

## OPTIONAL ACCESSORIES

**0301805020 Rotor N°1**


Rotor Type: Angle rotor  
 Max Capacity: 12x1.5/2.2ml  
 Max Speed: 19000r/min  
 Max RCF: 25100xg  
 Adapter: 0.2ml, 0.5ml

**0301891142 Rotor N°2**


Rotor Type: Angle rotor  
 Max Capacity: 12x15ml (conical)  
 Max Speed: 14000r/min  
 Max RCF: 21912xg  
 Adapter: 5ml

**0301805310 Rotor N°3**


Rotor Type: Angle rotor  
 Max Capacity: 12x1.5/2.2ml  
 Max Speed: 19000r/min  
 Max RCF: 25100xg  
 Adapter: 0.2ml, 0.5ml

**0301805420 Rotor N°4**


Rotor Type: Angle rotor  
 Max Capacity: 6x50ml  
 Max Speed: 13000r/min  
 Max RCF: 17938xg  
 Adapter: 1.5ml, 5ml, 10 ml, 15ml, 20ml, 25ml, 30ml

**0301805930 Rotor N°5**


Rotor Type: Angle rotor  
 Max Capacity: 6x50ml (conical)  
 50ml round bottom adapter as gift  
 Max Speed: 12500r/min  
 Max RCF: 16585xg  
 Adapter: 15ml (conical)

**0301805710 Rotor N°6**


Rotor Type: Angle rotor  
 Max Capacity: 4x100ml  
 Max Speed: 12000r/min  
 Max RCF: 15471xg  
 Adapter: 5ml, 10ml, 15ml, 25ml, 50ml (round/conical)

**0301812510 Rotor N°7**


Rotor Type: Angle rotor  
 Max Capacity: 30x1.5/2.0ml  
 Max Speed: 16000r/min  
 Max RCF: 28917xg  
 Adapter: 0.2ml, 0.5ml

**0301812830 Rotor N°8**


Rotor Type: Angle rotor  
 Max Capacity: 48x1.5/2.0ml  
 Max Speed: 16000r/min  
 Max RCF: 28061xg  
 Adapter: 0.2ml, 0.5ml

**0301891097 Rotor N°9**


Rotor Type: Angle rotor  
 Max Capacity: 6x85ml  
 Max Speed: 12000r/min  
 Max RCF: 15805xg  
 Adapter: 5ml, 10ml, 15ml, 25ml, 50ml (round/conical)

**0301891144 Rotor N°10**


Rotor Type: Angle rotor  
 Max Capacity: 40x15ml  
 Max Speed: 5500 r/min  
 Max RCF: 4904xg

**0301855600 Rotor N°15**


Rotor Type: Swing Rotor  
 Max Capacity: 60x1.5ml  
 Max Speed: 15000r/min  
 Max RCF: 18826xg

**0301805520 Rotor N°16**


Rotor Type: Angle rotor  
 Max Capacity: 24x1.5/2.0ml  
 Max Speed: 18000r/min  
 Max RCF: 31006xg  
 Adapter: 0.2ml, 0.5ml

**Rotor N°14**

**0302852310**

Max Speed: 4500r/min  
 Max RCF: 2784xg  
 Max Capacity: 2x2x96well


**0303852351**

Microplate bucket

2x6  
ELISA microplate

2x6x96

2x2  
Deep-well plate

2x2x96

2x1  
Filter plate reagent kit

2x1x96

**can be customized**

Rotor N°11					
Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO
 <p><b>0302891099</b> Rotor Type: Swing Rotor Max Speed: 4200r/min Max RCF: 3450xg Max Capacity: 4x250ml</p>	 <p><b>0303891081</b> Oval bucket</p>		4x26x1.5ml <b>0304891454</b>		4x10x5ml <b>0304891456</b>
			4x14x5/7ml <b>0304891459</b>		4x13x10ml <b>0304891461</b>
			4x9x15ml (conical) <b>0304891463</b>		4x9x15ml <b>0304891465</b>
			4x6x20ml <b>0304891467</b>		4x4x50ml (conical) <b>0304891469</b>
			4x4x50ml <b>0304891471</b>		4x2x100ml <b>0304891473</b>
			4x1x250ml <b>0304891475</b>		
		<b>can be customized</b>			

Rotor N°12					
Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO
 <p><b>0302891099</b> Rotor Type: Swing Rotor Max Speed: 4500r/min Max RCF: 3917xg Max Capacity: 4x250ml</p>	 <p><b>0303891082</b> Rectangular bucket</p>		4x16x1.5ml <b>0304891477</b>		4x17x5/7ml <b>0304891479</b>
			4x12x10ml <b>0304891481</b>		4x9x15ml (conical) <b>0304891483</b>
			4x4x50ml (conical) <b>0304891485</b>		4x1x100ml <b>0304891487</b>
			4x1x250ml <b>0304891489</b>		

Rotor N°13					
Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO
 <p><b>0302891038</b> Rotor Type: Swing Rotor Max Capacity: 4x100ml Max Speed: 5000r/min Max RCF: 3773xg</p>	 <p><b>0303891029</b> Bucket</p>		4x3x10ml Blood collection tube <b>0304852409</b>		4x1x15ml <b>0304891119</b>
			4x1x15ml (conical) <b>0304891118</b>		4x1x50ml (conical) <b>0304891114</b>
			4x1x50ml <b>0304891116</b>		