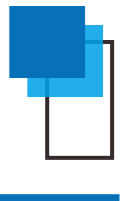


2026



# MEDICOOL CENTRIFUGE

We focus on centrifuge



## Ventilated | Low speed|Benchtop >>



<b>Model</b>	<b>TD-500</b>
<b>Max Speed</b>	5000rpm
<b>Max RCF</b>	4650xg
<b>Max Capacity</b>	6x50ml
Angle rotor for	15/50ml
Swing out rotor for	15/50ml,blood tube
<b>Page</b>	<b>1</b>



<b>Model</b>	<b>TD-600</b>
<b>Max Speed</b>	6000rpm
<b>Max RCF</b>	5123xg
<b>Max Capacity</b>	6x50ml
Angle rotor for	15/50ml
Swing out rotor for	15/50ml,blood tube
<b>Page</b>	<b>3</b>



<b>Model</b>	<b>TD-420</b>
<b>Max Speed</b>	4200rpm
<b>Max RCF</b>	3285xg
<b>Max Capacity</b>	4x100ml
Angle rotor for	
Swing out rotor for	15/50/100ml
<b>Page</b>	<b>5</b>



<b>Model</b>	<b>TD-5M</b>
<b>Max Speed</b>	5000rpm
<b>Max RCF</b>	4499xg
<b>Max Capacity</b>	4x600ml
Angle rotor for	15/50ml
Swing out rotor for	1.5~500ml,microplate, blood tube
<b>Page</b>	<b>7</b>



<b>Model</b>	<b>TD-6M</b>
<b>Max Speed</b>	6000rpm
<b>Max RCF</b>	5433xg
<b>Max Capacity</b>	4x600ml
Angle rotor for	15/50ml
Swing out rotor for	1.5~500ml,microplate, blood tube
<b>Page</b>	<b>12</b>



<b>Model</b>	<b>TD-5Z</b>
<b>Max Speed</b>	5000rpm
<b>Max RCF</b>	4650xg
<b>Max Capacity</b>	4x300ml
Angle rotor for	
Swing out rotor for	15/50/100/250ml microplate,blood tube
<b>Page</b>	<b>17</b>



<b>Model</b>	<b>TD-400</b>
<b>Max Speed</b>	4200rpm
<b>Max RCF</b>	2680xg
<b>Max Capacity</b>	24x10ml blood tube
Angle rotor for	blood tube
Swing out rotor for	
<b>Page</b>	<b>20</b>



<b>Model</b>	<b>TD-4Z</b>
<b>Max Speed</b>	4200rpm
<b>Max RCF</b>	2680xg
<b>Max Capacity</b>	4x50ml
Angle rotor for	15/50ml,blood tube
<b>Page</b>	<b>21</b>



<b>Model</b>	<b>Mini-6K/Mini-7K/Mini-10K</b>
<b>Max Speed</b>	6000rpm/7500rpm/10000rpm
<b>Max RCF</b>	2200xg/3450xg/6100xg
<b>Max Capacity</b>	Three in one rotor:8x1.5ml+6x0.5ml+2x8x0.2ml
Angle rotor for	Rotor for 6x8x0.2ml(or 6 PCR strips)-6K/7K
<b>Page</b>	<b>22</b>

## Ventilated | High speed|Benchtop >>



<b>Model</b>	<b>TG-16</b>
<b>Max Speed</b>	16500rpm
<b>Max RCF</b>	24814xg
<b>Max Capacity</b>	6x100ml
Angle rotor for	1.5/2/5/10/15/30/50/100ml 0.2ml PCR tube/PCR strip
<b>Page</b>	<b>23</b>



<b>Model</b>	<b>TG-18</b>
<b>Max Speed</b>	18000rpm
<b>Max RCF</b>	24814xg
<b>Max Capacity</b>	6x100ml
Angle rotor for	1.5/2/5/10/15/30/50/100ml 0.2ml PCR tube/PCR strip
<b>Page</b>	<b>27</b>



<b>Model</b>	<b>TG-20</b>
<b>Max Speed</b>	20000rpm
<b>Max RCF</b>	27994xg
<b>Max Capacity</b>	6x100ml
Angle rotor for	1.5/2/5/10/15/30/50/100ml 0.2ml PCR tube/PCR strip
<b>Page</b>	<b>31</b>



<b>Model</b>	<b>TG-1850</b>
<b>Max Speed</b>	18500rpm
<b>Max RCF</b>	24760xg
<b>Max Capacity</b>	4x500ml
Angle rotor for	1.5/2/5/10/15/50/100ml
Swing out rotor for	1.5~500ml,microplate, blood tube
<b>Page</b>	<b>35</b>



<b>Model</b>	<b>TG-15</b>
<b>Max Speed</b>	15000rpm
<b>Max RCF</b>	21630xg
<b>Max Capacity</b>	12x5ml
Angle rotor for	1.5/2/5ml;0.2mlPCR tube/PCR strip
<b>Page</b>	<b>41</b>



<b>Model</b>	<b>H15S/H16S</b>
<b>Max Speed</b>	15000rpm/16000rpm
<b>Max RCF</b>	15093xg/18262xg
<b>Max Capacity</b>	8x5ml
Angle rotor for	1.5/2/5ml
<b>Page</b>	<b>42/43</b>

## Refrigerated | Low speed|Benchtop >>



<b>Model</b>	<b>TDL-6M</b>
<b>Max Speed</b>	6000rpm
<b>Max RCF</b>	5201xg
<b>Max Capacity</b>	4x750ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	15/50ml
Swing out rotor for	1.5~750ml,microplate, blood tube
<b>Page</b>	<b>44</b>



<b>Model</b>	<b>TDL-5M</b>
<b>Max Speed</b>	5000rpm
<b>Max RCF</b>	5201xg
<b>Max Capacity</b>	4x750ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	15/50ml
Swing out rotor for	1.5~750ml,microplate, blood tube
<b>Page</b>	<b>50</b>



<b>Model</b>	<b>TDL-6</b>
<b>Max Speed</b>	6000rpm
<b>Max RCF</b>	5123xg
<b>Max Capacity</b>	4x250ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	15/50ml
Swing out rotor for	15/50/100/250ml microplate,blood tube
<b>Page</b>	<b>55</b>

## Refrigerated | High speed | Benchtop >>



<b>Model</b>	<b>TGL-23</b>
<b>Max Speed</b>	23000rpm
<b>Max RCF</b>	37023xg
<b>Max Capacity</b>	4x750ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/50/100ml
<b>Swing out rotor for</b>	1.5~750ml,microplate, blood tube
<b>Page</b>	<b>58</b>



<b>Model</b>	<b>TGL-21</b>
<b>Max Speed</b>	21000rpm
<b>Max RCF</b>	31405xg
<b>Max Capacity</b>	4x750ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/50/100ml
<b>Swing out rotor for</b>	1.5~750ml,microplate, blood tube
<b>Page</b>	<b>65</b>



<b>Model</b>	<b>TGL-19</b>
<b>Max Speed</b>	19000rpm
<b>Max RCF</b>	30367xg
<b>Max Capacity</b>	4x500ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/50/100ml
<b>Swing out rotor for</b>	1.5~500ml,microplate, blood tube
<b>Page</b>	<b>72</b>



<b>Model</b>	<b>TGL-17</b>
<b>Max Speed</b>	18500rpm
<b>Max RCF</b>	30025xg
<b>Max Capacity</b>	4x250ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/50/100ml
<b>Swing out rotor for</b>	10/15/50/250ml,microplate, blood tube
<b>Page</b>	<b>78</b>



<b>Model</b>	<b>TGL-1650</b>
<b>Max Speed</b>	16500rpm
<b>Max RCF</b>	24814xg
<b>Max Capacity</b>	6x100ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/30/50/100ml,PCR strip
<b>Swing out rotor for</b>	
<b>Page</b>	<b>83</b>



<b>Model</b>	<b>TGL-18</b>
<b>Max Speed</b>	18000rpm
<b>Max RCF</b>	29684xg
<b>Max Capacity</b>	6x100ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/30/50/100ml,PCR strip
<b>Swing out rotor for</b>	
<b>Page</b>	<b>88</b>



<b>Model</b>	<b>TGL-20</b>
<b>Max Speed</b>	20000rpm
<b>Max RCF</b>	31405xg
<b>Max Capacity</b>	6x100ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/30/50/100ml,PCR strip
<b>Swing out rotor for</b>	
<b>Page</b>	<b>93</b>



<b>Model</b>	<b>TGL-22S</b>
<b>Max Speed</b>	22000rpm
<b>Max RCF</b>	33873xg
<b>Max Capacity</b>	6x100ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/30/50/100ml,PCR strip
<b>Swing out rotor for</b>	
<b>Page</b>	<b>98</b>



<b>Model</b>	<b>TGL-16</b>
<b>Max Speed</b>	16500rpm
<b>Max RCF</b>	24760xg
<b>Max Capacity</b>	6x100ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10/15/30/50/100ml,PCR strip
<b>Swing out rotor for</b>	
<b>Page</b>	<b>103</b>



<b>Model</b>	<b>TGL-16S</b>
<b>Max Speed</b>	16500rpm
<b>Max RCF</b>	21630xg
<b>Max Capacity</b>	12x10ml
<b>Temperature range</b>	-20°C~+40°C
<b>Angle rotor for</b>	1.5/2/5/10ml
<b>Swing out rotor for</b>	
<b>Page</b>	<b>106</b>



<b>Model</b>	<b>TGL-1850</b>
<b>Max Speed</b>	14000rpm
<b>Max RCF</b>	18845xg
<b>Max Capacity</b>	12x5ml
<b>Temperature range</b>	-10°C~+40°C
<b>Angle rotor for</b>	1.5/2/5ml,PCR strip
<b>Swing out rotor for</b>	
<b>Page</b>	<b>108</b>



<b>Model</b>	<b>TGL-2150</b>
<b>Max Speed</b>	15000rpm
<b>Max RCF</b>	21633xg
<b>Max Capacity</b>	12x5ml
<b>Temperature range</b>	-10°C~+40°C
<b>Angle rotor for</b>	1.5/2/5ml,PCR strip
<b>Swing out rotor for</b>	
<b>Page</b>	<b>109</b>

## Ventilated | Low speed|Floorstanding >>



<b>Model</b>	<b>DD-6000</b>
<b>Max Speed</b>	6000rpm
<b>Max RCF</b>	5201xg
<b>Max Capacity</b>	4x800ml
Angle rotor for	15/50ml
Swing out rotor for	1.5~800ml,microplate blood tube
<b>Page</b>	<b>110</b>



<b>Model</b>	<b>DD-4000</b>
<b>Max Speed</b>	4000rpm
<b>Max RCF</b>	3580xg
<b>Max Capacity</b>	4x1000ml
Angle rotor for	15/50/250/500/1000ml
Swing out rotor for	blood tube
<b>Page</b>	<b>115</b>

## Refrigerated | Low speed|Floorstanding >>



<b>Model</b>	<b>LD-6M</b>
<b>Max Speed</b>	6000rpm
<b>Max RCF</b>	6880xg
<b>Max Capacity</b>	6x1000ml/6 blood bags
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	500ml
Swing out rotor for	15~1000ml blood tube,blood bag
<b>Page</b>	<b>117</b>



<b>Model</b>	<b>LD-6</b>
<b>Max Speed</b>	6000rpm
<b>Max RCF</b>	6693xg
<b>Max Capacity</b>	4x1000ml/4 blood bags
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	500ml
Swing out rotor for	500/1000ml, blood tube,blood bag
<b>Page</b>	<b>119</b>



<b>Model</b>	<b>LD-5M</b>
<b>Max Speed</b>	5000rpm
<b>Max RCF</b>	5200xg
<b>Max Capacity</b>	4x800ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	1.5~800ml
Swing out rotor for	
<b>Page</b>	<b>121</b>



<b>Model</b>	<b>LD-8M</b>
<b>Max Speed</b>	8000rpm
<b>Max RCF</b>	14500xg
<b>Max Capacity</b>	6x2000ml/12 blood bags
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	500/1000ml
Swing out rotor for	15/50/2400ml blood tube,blood bag
<b>Page</b>	<b>125</b>

## Refrigerated | High speed|Floorstanding >>



<b>Model</b>	<b>LG-18</b>
<b>Max Speed</b>	18000rpm
<b>Max RCF</b>	31405xg
<b>Max Capacity</b>	4x250ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	1.5/2/5/10/15/50/100ml
Swing out rotor for	10/16/50/100/250ml microplate,blood tube
<b>Page</b>	<b>127</b>



<b>Model</b>	<b>LG-22</b>
<b>Max Speed</b>	22000rpm
<b>Max RCF</b>	33873xg
<b>Max Capacity</b>	4x750ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	1.5/2/5/10/15/50/100ml
Swing out rotor for	10~750ml microplate,blood tube
<b>Page</b>	<b>130</b>



<b>Model</b>	<b>LG-10M</b>
<b>Max Speed</b>	10000rpm
<b>Max RCF</b>	18590xg
<b>Max Capacity</b>	6x1000ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	300/500/1000ml
Swing out rotor for	
<b>Page</b>	<b>134</b>



<b>Model</b>	<b>LG-16M</b>
<b>Max Speed</b>	16000rpm
<b>Max RCF</b>	27520xg
<b>Max Capacity</b>	6x500ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	1.5/2/10/50/100/300/500ml
Swing out rotor for	750ml
<b>Page</b>	<b>136</b>



<b>Model</b>	<b>LG-21M</b>
<b>Max Speed</b>	21000rpm
<b>Max RCF</b>	47400xg
<b>Max Capacity</b>	6x500ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	1.5/2/10/50/100/300/500ml
Swing out rotor for	5/30/50ml microplate
<b>Page</b>	<b>139</b>

<b>Model</b>	<b>LG-22M</b>
<b>Max Speed</b>	22000rpm
<b>Max RCF</b>	52050xg
<b>Max Capacity</b>	6x500ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	1.5/2/10/50/100/300/500/1000ml
Swing out rotor for	50ml microplate
<b>Page</b>	<b>142</b>

<b>Model</b>	<b>LG-25M</b>
<b>Max Speed</b>	25000rpm
<b>Max RCF</b>	65000xg
<b>Max Capacity</b>	6x1000ml
<b>Temperature range</b>	-20°C~+40°C
Angle rotor for	1.5/2/10/15/50/300/500/1000ml
Swing out rotor for	50/750ml
<b>Page</b>	<b>145</b>

### Blood tube automatic decap centrifuge >>



<b>Model</b>	<b>DD-5G</b>
<b>Max Speed</b>	5000rpm
<b>Max RCF</b>	5201xg
<b>Max Capacity</b>	4x800ml
Swing out rotor for	250ml blood tube
<b>Page</b>	<b>149</b>

<b>Model</b>	<b>LD-5G</b>
<b>Max Speed</b>	5000rpm
<b>Max RCF</b>	5201xg
<b>Max Capacity</b>	4x800ml
Swing out rotor for	250ml blood tube
<b>Page</b>	<b>151</b>

### SPECIAL APPLICATION CENTRIFUGE >>



**TG-12**

Hematocrit centrifuge

**Page 152**



**TD-4M**

Cyto centrifuge

**Page 153**



**TD-4B**

Cell wash centrifuge

**Page 154**



**TD-4K**

Gel card centrifuge

**Page 155**



**YX-1850R**

Rock core centrifuge

**Page 156**

Ventilated | Low speed | Benchtop



# TD-500

Order No.:0101150000

The TD-500 offers exceptional user comfort and a choice of 6 rotors, including the most popular swing out rotors for 15ml and 50ml tube. It adopts intelligent LCD touch screen, easily operate with gloves. Thanks to the strong operation system, it supports the multi-stage centrifugation and can store up to 1000 programs.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 1000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration
- > up to 5 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment

### Ensure safety

- > Microprocessor control
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinge to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Software to prevent overspeed

### LCD touch screen

- > Simple and clear to show all parameters
- > Touch screen, easy to set parameters
- > RCF can be set directly
- > RPM and RCF convert automatically
- > User can set parameters even with glove
- > User can reset parameters when rotor is spinning

### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 304 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angle rotor; Stainless steel swing out rotor.
- > Rotors are autoclavable

## TECHNICAL DATA

Max Speed	5000rpm
Max RCF	4650xg
Max Capacity	6x50ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	500w
Dimension	495x400x320mm
Weight	27kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	5000rpm/3558×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	5000rpm/3558×g	6×1×5ml	1102020001
				6×1×10ml	1102020002
				6×1×10ml glass tube	1102020006
				6×1×15ml conical tube	1102020003
				6×1×30ml	1102020004

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
<p>Order No.: 0495030720</p>	<p>Capacity: 8×15ml Order No.: 0495030810</p>	0495030800	5000rpm/4620×g	8×1×2ml	1102010008
				8×1×2ml blood tube	1102010001
				8×1×7ml blood tube	1102010002
				8×1×10ml blood tube	1102010003
	<p>Capacity: 16×15ml Order No.: 0495030910</p>	0495030900	5000rpm/4620×g	16×1×2ml	1102010008
				16×1×2ml blood tube	1102010001
				16×1×7ml blood tube	1102010002
				16×1×10ml blood tube	1102010003
	<p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	4000rpm/2976×g	4×1×5ml	1102020001
				4×1×10ml	1102020002 1102020006/glass tube
				4×1×15ml conical tube	1102020003
				4×1×30ml	1102020004
	<p>Capacity: 24×7ml blood tube Order No.: 0495030710</p>	0495030700	5000rpm/4650×g	/	/

Ventilated | Low speed | Benchtop



# TD-600

Order No.:0101200000

The TD-600 offers exceptional user comfort and a choice of 6 rotors, including the most popular swing out rotors for 15ml and 50ml tube. It adopts intelligent LCD touch screen, easily operate with gloves. Thanks to the strong operation system, it supports the multi-stage centrifugation and can store up to 1000 programs.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 1000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration
- > up to 5 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment

### Ensure safety

- > Microprocessor control
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinge to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Software to prevent overspeed

### LCD touch screen

- > Simple and clear to show all parameters
- > Touch screen, easy to set parameters
- > RCF can be set directly
- > RPM and RCF convert automatically
- > User can set parameters even with gloves
- > User can reset parameters when rotor is spinning

### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 304 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angle rotor; Stainless steel swing out rotor.
- > Rotors are autoclavable

## TECHNICAL DATA

Max Speed	6000rpm
Max RCF	5123xg
Max Capacity	6x50ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	500w
Dimension	495x400x320mm
Weight	27kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	6000rpm/5123×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	6000rpm/5123×g	6×1×5ml	1102020001
				6×1×10ml	1102020002
				6×1×10ml glass tube	1102020006
				6×1×15ml conical tube	1102020003
				6×1×30ml	1102020004

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
<p>Order No.: 0495030720</p>	<p>Capacity: 8×15ml Order No.: 0495030810</p>	0495030800	5000rpm/4620×g	8×1×2ml	1102010008
				8×1×2ml blood tube	1102010001
				8×1×7ml blood tube	1102010002
				8×1×10ml blood tube	1102010003
	<p>Capacity: 16×15ml Order No.: 0495030910</p>	0495030900	5000rpm/4620×g	16×1×2ml	1102010008
				16×1×2ml blood tube	1102010001
				16×1×7ml blood tube	1102010002
				16×1×10ml blood tube	1102010003
	<p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	4000rpm/2976×g	4×1×5ml	1102020001
				4×1×10ml	1102020002 1102020006/glass tube
				4×1×15ml conical tube	1102020003
				4×1×30ml	1102020004
	<p>Capacity: 24×7ml blood tube Order No.: 0495030710</p>	0495030700	5000rpm/4650×g	/	/

Ventilated | Low speed | Benchtop



# TD-420

Order No.:0101060000

The TD-420 offers exceptional user comfort and a choice of 4 rotors, including the most popular swing out rotors for 15ml and 50ml tube. It adopts intelligent LCD touch screen, easily operate with gloves. Thanks to the strong operation system, it supports the multi-stage centrifugation and can store up to 1000 programs.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 1000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration
- > up to 5 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment

### Ensure safety

- > Microprocessor control
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinge to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Software to prevent overspeed

### LCD touch screen

- > Simple and clear to show all parameters
- > Touch screen, easy to set parameters
- > RCF can be set directly
- > RPM and RCF convert automatically
- > User can set parameters even with gloves
- > User can reset parameters when rotor is spinning






### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 304 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angle rotor; Stainless steel swing out rotor.
- > Rotors are autoclavable

## TECHNICAL DATA

Max Speed	4200rpm
Max RCF	3285xg
Max Capacity	4x100ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	500w
Dimension	495x400x320mm
Weight	27kg

## AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Order No.: 1003030001</p>	 <p>Capacity: 16×15ml Order No.: 0495030910</p>	0495030900	4200rpm/3259×g	16×1×2ml	1102010008
				16×1×2ml blood tube	1102010001
				16×1×7ml blood tube	1102010002
				16×1×10ml blood tube	1102010003
	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	4200rpm/3281×g	4×1×5ml	1102020001
				4×1×10ml	1102020002 1102020006/glass tube
				4×1×15ml conical tube	1102020003
				4×1×30ml	1102020004
	 <p>Capacity: 8×50ml Order No.: 0495030410</p>	0495031200	4200rpm/3285×g	8×1×5ml	1102020001
				8×1×10ml	1102020002 1102020006/glass tube
				8×1×15ml conical tube	1102020003
				8×1×30ml	1102020004
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	4200rpm/3281×g	4×4×2ml frozen storage tube	1102030009
				4×3×2ml	1102030010
				4×1×5ml	1102030001
				4×1×10ml	1102030002
4×1×15ml conical tube				1102030003	
4×1×30ml				1102030004	
4×1×50ml				1102030005/round tube 1102030006/conical tube	

Ventilated | Low speed | Benchtop

# TD-5M



Order No.:0101500000

TD-5M is a non-refrigerated large capacity centrifuge with a maximum capacity of 2L, which suitable with 0.2ml-500ml tube/bottle, standard blood tube and microplate. Also provide the rotor with biosafety cap for choice, can meet different centrifugal requirements.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 5000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration
- > up to 100 multi-step programs, each with 10 steps
- > Can set turn on and turn off time
- > Centrifugal radius can be corrected
- > Support short spin and continuous running

### Ensure safety

- > Microprocessor control
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinge to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > User management with 3 level operation permission
- > Imbalance detection by three axis gyroscope

### LCD touch screen

- > 7" screen simply and clearly to show all parameters
- > Touch screen, easy to set parameters
- > RPM/RCF can be set directly
- > RPM and RCF covert automatically
- > User can set parameters even with gloves
- > User can reset parameters when rotor is spinning


### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 304 stainless steel. anticorrosion and easy to clean
- > Rotor: Strong metal rotor
- > Rotors are autoclavable

## TECHNICAL DATA

Max Speed	5000rpm
Max RCF	4499xg
Max Capacity	4x600ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	900w
Dimension	548x460x374mm
Weight	57kg

## AVAILABLE ROTORS

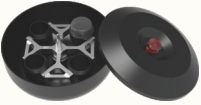
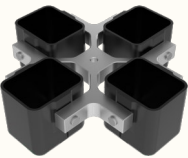
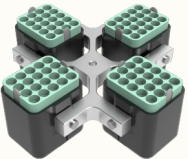

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×100ml	0495030500	5000rpm/4379×g	4×3×2ml	1102030010
				4×4×2ml frozen storage tube	1102030009
				4×1×5ml	1102030001
				4×1×10ml	1102030002
				4×1×15ml conical tube	1102030003
				4×1×30ml	1102030004
				4×1×50ml	1102030005/round tube 1102030006/conical tube
  Order No.: 0495150520	 Capacity: 32×15ml Order No.: 0495031110	0495031100	4000rpm/3094×g	32×1×2ml	1102010008
				32×1×2ml blood tube	1102010001
				32×1×7ml blood tube	1102010002
				32×1×10ml blood tube	1102010003
	 Capacity: 8×50ml Order No.: 0495030410	0495030400	4000rpm/3094×g	8×1×5ml	1102020001
				8×1×10ml	1102020002
				8×1×10ml glass tube	1102020006
				8×1×15ml conical tube	1102020003
				8×1×30ml	1102020004
	 Capacity: 8×100ml Order No.: 0495030610	0495030600	4000rpm/3094×g	8×4×2ml frozen storage tube	1102030009
				8×3×2ml	1102030010
				8×1×5ml	1102030001
				8×1×10ml	1102030002
				8×1×15ml conical tube	1102030003
				8×1×30ml	1102030004
				8×1×50ml	1102030005/round tube 1102030006/conical tube

## AVAILABLE ROTORS







Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	5000rpm/3465×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	5000rpm/3158×g	6×1×5ml	1102020001
				6×1×10ml	1102020002
				6×1×10ml glass tube	1102020006
				6×1×15ml conical tube	1102020003
				6×1×30ml	1102020004

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2788×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010200	4500rpm/2716×g	2×24×1.5/2ml	1102040001
	Capacity: 64×2~7ml blood tube decap	0495180800	4200rpm/3332×g	/	/
  Order No.: 0495050110	  Capacity: 4×300ml Order No.:0495050220 Note: No suitable bottle,must choose adaptor	0495050100	4200rpm/3332×g	4×15×1.5/2ml	1102060009
				4×16×7ml blood tube	0497011700
				4×9×15ml conical tube	0497011200
				4×4×50ml conical tube	0497011300
				4×1×100ml	1102060004
				4×1×250ml	1102060005
  Capacity: 4×250ml conical bottle Order No.:1004010017		0495040900	4200rpm/3332×g	/	/

## AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×250ml	0495040800	5000rpm/4499×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006
	Capacity: 4×600ml  Note: No suitable bottle, must choose adaptor	0495020200	4000rpm/3184×g	4×18×10ml	1102090017
				4×12×15ml conical tube	1102090016
				4×5×50ml conical tube	1102090015
	Capacity: 80×2~7ml blood tube decap	0495070100	4000rpm/3184×g	/	/
	Capacity: 108×2~7ml blood tube decap	0495070200	4000rpm/3184×g	/	/

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>		0495060100 (without lid)	4000rpm/3221×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
 <p>Order No.: 0495180610</p>	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060200	4000rpm/3221×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
	 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>	0495060300	4000rpm/3221×g	4×24×1.5/2ml	1102040001
	 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>	0495180600	4000rpm/3221×g	/	/
	 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>	0495060900	4000rpm/3221×g	/	/

Ventilated | Low speed | Benchtop

# TD-6M



Order No.:0101490000

TD-6M is a non-refrigerated large capacity centrifuge with a maximum capacity of 2L, which suitable with 0.2ml-500ml tube/bottle, standard blood tube and microplate. Also provide the rotor with biosafety cap for choice, can meet different centrifugal requirements.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 5000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration
- > up to 100 multi-step programs, each with 10 steps
- > Can set turn on and turn off time
- > Centrifugal radius can be corrected
- > Support short spin and continuous running

### Ensure safety

- > Microprocessor control
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinge to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > User management with 3 level operation permission
- > Imbalance detection by three axis gyroscope

### LCD touch screen

- > 7" screen simply and clearly to show all parameters
- > Touch screen, easy to set parameters
- > RPM/RCF can be set directly
- > RPM and RCF covert automatically
- > User can set parameters even with gloves
- > User can reset parameters when rotor is spinning

### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 304 stainless steel. anticorrosion and easy to clean
- > Rotor: Strong metal rotor
- > Rotors are autoclavable

## TECHNICAL DATA

Max Speed	6000rpm
Max RCF	5433xg
Max Capacity	4x600ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	900w
Dimension	548x460x374mm
Weight	57kg

# AVAILABLE ROTORS

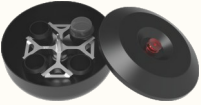
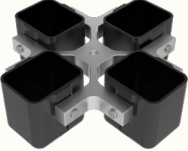
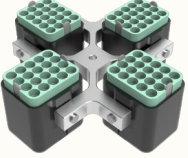

Swing out rotor						
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor		
				Capacity	Order No.	
	Capacity: 4×100ml	0495030500	5000rpm/4379×g	4×3×2ml	1102030010	
				4×4×2ml frozen storage tube	1102030009	
				4×1×5ml	1102030001	
				4×1×10ml	1102030002	
				4×1×15ml conical tube	1102030003	
				4×1×30ml	1102030004	
				4×1×50ml	1102030005/round tube 1102030006/conical tube	
 <p>Order No.: 0495150520</p>	 <p>Capacity: 32×15ml Order No.: 0495031110</p>	0495031100	4000rpm/3094×g	32×1×2ml	1102010008	
				32×1×2ml blood tube	1102010001	
				32×1×7ml blood tube	1102010002	
				32×1×10ml blood tube	1102010003	
	 <p>Capacity: 8×50ml Order No.: 0495030410</p>	0495030400	4000rpm/3094×g	8×1×5ml	1102020001	
				8×1×10ml	1102020002	
				8×1×10ml glass tube	1102020006	
				8×1×15ml conical tube	1102020003	
				8×1×30ml	1102020004	
	 <p>Capacity: 8×100ml Order No.: 0495030610</p>	0495030600	4000rpm/3094×g	8×4×2ml frozen storage tube	1102030009	
				8×3×2ml	1102030010	
				8×1×5ml	1102030001	
				8×1×10ml	1102030002	
				8×1×15ml conical tube	1102030003	
				8×1×30ml	1102030004	
				8×1×50ml	1102030005/round tube 1102030006/conical tube	
		Capacity: 4×50ml	0495021100	6000rpm/5433×g	/	

## AVAILABLE ROTORS







Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	6000rpm/4990×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	6000rpm/4548×g	6×1×5ml	1102020001
				6×1×10ml	1102020002
				6×1×10ml glass tube	1102020006
				6×1×15ml conical tube	1102020003
				6×1×30ml	1102020004

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2788×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010200	4500rpm/2716×g	2×24×1.5/2ml	1102040001
	Capacity: 64×2~7ml blood tube decap	0495180800	4200rpm/3332×g	/	/
<p>Order No.: 0495050110</p>	<p>Capacity: 4×300ml Order No.:0495050220 Note: No suitable bottle,must choose adaptor</p>	0495050100	4200rpm/3332×g	4×15×1.5/2ml	1102060009
				4×16×7ml blood tube	0497011700
				4×9×15ml conical tube	0497011200
				4×4×50ml conical tube	0497011300
				4×1×100ml	1102060004
				4×1×250ml	1102060005
	Capacity: 4×250ml conical bottle Order No.:1004010017	0495040900	4200rpm/3332×g	/	/

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×250ml	0495040800	5000rpm/4499×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006
	Capacity: 4×600ml  Note: No suitable bottle, must choose adaptor	0495020200	4000rpm/3184×g	4×18×10ml	1102090017
				4×12×15ml conical tube	1102090016
				4×5×50ml conical tube	1102090015
	Capacity: 80×2~7ml blood tube decap	0495070100	4000rpm/3184×g	/	/
	Capacity: 108×2~7ml blood tube decap	0495070200	4000rpm/3184×g	/	/

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×500ml Order No.: 1006010009 (without lid)  Aerosol tight lid Order No.: 0495061110  Note: Aerosol tight lid cannot be used when use 500ml bottle	0495060100 (without lid)  0495061200 (with lid)	4000rpm/3221×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
  Order No.: 0495180610	  Capacity: 4×500ml (square bucket) Order No.: 0495060510  Note: No suitable bottle, must choose adaptor	0495060200	4000rpm/3221×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
	Capacity: 4×2×96 well (micro plate) Order No.: 0495060610	0495060300	4000rpm/3221×g	4×24×1.5/2ml	1102040001
	Capacity: 96×2~7ml (blood tube) Order No.: 0495180720	0495180600	4000rpm/3221×g	/	/
	Capacity: 148×5ml (RIA tube) Order No.: 0496061010	0495060900	4000rpm/3221×g	/	/

Ventilated | Low speed | Benchtop



Order No.:0101090000

# TD-5Z

TD-5Z can be equipped with various swing out rotors for 15ml to 250ml centrifuge tubes/bottle, vacuum blood collection tube and 96 well plate. One machine with multiple functions, can meet a variety of low speed centrifugal needs.

## FEATURES

### User-friendly functions

- >up to 100 user-defined programs
- >up to 20 rates acceleration and deceleration
- >up to 99h59m59s timer range
- >up to 5 stages multi-stage centrifugation mode available
- >LED screen shows important parameters
- >RCF can be set directly
- >Water-proof touch key pad,each parameter has corresponding button to set
- >User can reset parameters when rotor is spinning



### Ensure safety

- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: Food grade 304 stainless steel. anticorrosion and easy to clean
- >Rotor: Stainless steel/steel swing out rotor.
- >Rotors are autoclavable



## TECHNICAL DATA






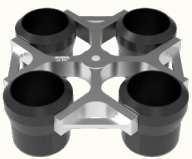
Max Speed	5000rpm
Max RCF	4650xg
Max Capacity	4x300ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s/Pulse

Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	500w
Dimension	550x430x350mm
Weight	39kg

## AVAILABLE ROTORS

Swing out rotor									
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor					
				Capacity	Order No.				
 <p>Order No.: 0495030720</p>	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	5000rpm/4650×g	4×1×5ml	1102020001				
				4×1×10ml	1102020002				
				4×1×15ml conical tube	1102020003				
				4×1×30ml	1102020004				
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	5000rpm/4650×g	4×1×10ml glass tube	1102020006				
				4×3×2ml	1102030010				
				4×4×2ml frozen storage tube	1102030009				
				4×1×5ml	1102030001				
				4×1×10ml	1102030002				
				4×1×15ml conical tube	1102030003				
				4×1×30ml	1102030004				
				4×1×50ml	1102030005/round tube 1102030006/conical tube				
					Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2980×g	/	/
									Capacity: 64×2~7ml blood tube
	Capacity: 2×3×96 well (micro plate)	0495010200	4300rpm/2274×g	2×24×1.5/2ml	1102040001				
	Capacity: 4×300ml Note: No suitable bottle, must choose adaptor	0495050100	4000rpm/3023×g	4×15×1.5/2ml	1102060009				
				4×16×2~7ml blood tube decap	0497011000				
				4×9×15ml conical tube	0497011200				
				4×4×50ml conical tube	0497011300				
				4×1×100ml	1102060004				
				4×1×250ml	1102060005				

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Order No.: 0495150520</p>	 <p>Capacity: 24×15ml Order No.: 0495031010</p>	0495031000	4000rpm/2980×g	24×1×2ml	1102010008
				24×1×2ml blood tube	1102010001
				24×1×7ml blood tube	1102010002
				24×1×10ml blood tube	1102010003
	 <p>Capacity: 32×15ml Order No.: 0495031110</p>	0495031100	4000rpm/2980×g	32×1×2ml	1102010008
				32×1×2ml blood tube	1102010001
				32×1×7ml blood tube	1102010002
				32×1×10ml blood tube	1102010003
	 <p>Capacity: 8×50ml Order No.: 0495030410</p>	0495030400	4000rpm/2980×g	8×1×5ml	1102020001
				8×1×10ml	1102020002
				8×1×10ml glass tube	1102020006
				8×1×15ml conical tube	1102020003
				8×1×30ml	1102020004
	 <p>Capacity: 8×100ml Order No.: 0495030610</p>	0495030600	4000rpm/2980×g	8×4×2ml frozen storage tube	1102030009
				8×3×2ml	1102030010
				8×1×5ml	1102030001
8×1×10ml				1102030002	
8×1×15ml conical tube				1102030003	
8×1×30ml				1102030004	
	<p>Capacity: 4×250ml</p>	0495040100	4000rpm/2980×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006

Ventilated | Low speed | Benchtop



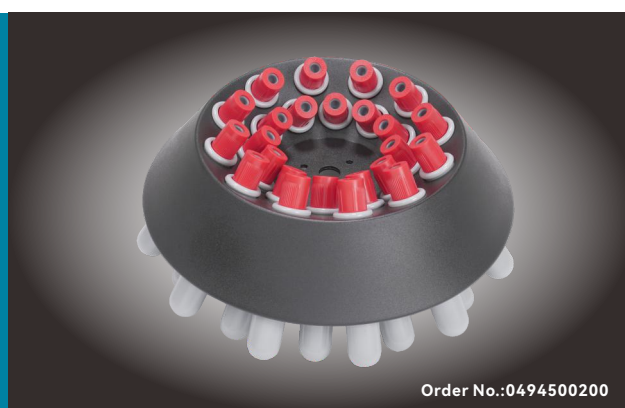
# TD-400

Order No.:0101020000

The TD-400 is a small centrifuge with a fixed angle rotor that has been developed specifically for use in clinical settings. It can centrifuge 24 blood tubes up to 10 ml in volume at a maximum speed of 4,200 RPM / 2,680 RCF.

## Features

- >LED screen shows RPM/RCF and Time
- >RCF can be set directly
- >1min to 99min timer range
- >User can reset parameters when rotor is spinning
- >Variable frequency motor drive
- >Electronic door lock to ensure safety
- >Steel housing;304 stainless steel chamber
- >Autoclavable aluminum alloy fixed angle rotor
- >Compatible with 13mm and 16mm blood tubes
- >Can run 24 tubes at a time



Order No.:0494500200

## TECHNICAL DATA

Model	TD-400
Max Speed	4200rpm
Max RCF	2680xg
Max Capacity	24x10ml blood tube
Speed Accuracy	±20rpm
Time Setting	1min ~ 99min
Noise	≤60dB(A)
Power Consumption	250w
Dimension	410x300x260mm
Weight	17kg

Ventilated | Low speed | Benchtop



# TD-4Z

Order No.:0101010000

The TD-4Z is a practical centrifuge for small laboratories and clinics. Standard fixed angle rotor 12x20ml is included to hold various blood tube and 15ml tube

## Features

- >LED screen shows RPM/RCF and Time
- >RCF can be set directly
- >1min to 99min timer range
- >User can reset parameters when rotor is spinning
- >Variable frequency motor drive
- >Electronic lid lock to ensure safety
- >Steel housing;304 stainless steel chamber
- >Autoclavable aluminum alloy fixed angle rotor
- >Compatible with blood tube and 15ml tube
- >Can run 12 tubes at a time



Order No.:0494500100



Order No.:0494500100



Order No.:0494501200

## TECHNICAL DATA

Model	TD-4Z
Max Speed	4200rpm
Max RCF	2680xg
Capacity	4x50ml;12x15ml tube/ blood tube
Speed Accuracy	±20rpm
Time Setting	1min ~ 99min
Noise	≤55dB(A)
Power Consumption	200w
Dimension	440x340x290mm
Weight	17kg

Mini | Portable | Ventilated

# Mini-6K/7K/10K



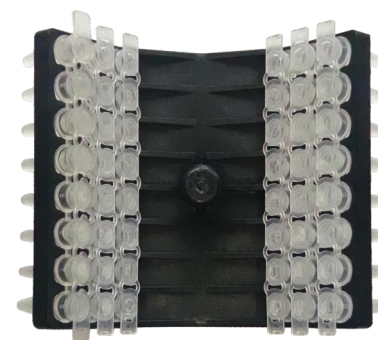
Order No.:0101350000(Mini-6K)  
 Order No.:0101360000(Mini-7K)  
 Order No.:0102180000(Mini-10K)

## Features

- > Compact design, light weight
- > Adjustable run time, 1s-99m59s
- > 800rpm to highest rpm is adjustable
- > Automatically stop spinning when lid is open
- > BLDC motor drive, stable and low noise
- > Can stop spin in 3 seconds, saving experiment time
- > Wide range power input: 100v to 240v
- > Three-in-one rotor: 8x1.5/2ml+6x0.5ml+2x8x0.2ml  
no need to change rotor
- > Optional rotor for 6 PCR strips



Order No.:0494010100



Order No.:0494010400

## TECHNICAL DATA

Model	Mini-6K/Mini-7K/Mini-10K
Max Speed	6000rpm/7500rpm/10000rpm
Max RCF	2200xg/3450xg/6100xg
Capacity	Three in one rotor: 8x1.5/2ml+6x0.5ml+2x8x0.2ml Rotor for 6 PCR strips(Mini-6k,Mini-7k)
Time Setting	1s ~ 99min59s
Noise	≤52dB(A)/≤52dB(A)/≤57dB(A)
Power Supply	AC 100-240V 50/60HZ
Dimension	200x170x130mm
Weight	1.2kg

Ventilated | High speed | Benchtop



# TG-16

Order No.:0102030000

TG-16 high speed benchtop centrifuge spins sample volumes up to 6 x 100 ml, 48x1.5/2.2ml tubes or 8 x 50 ml conical tubes with a intelligent LCD touch screen. For 24x1.5/2.2 ml tubes, aerosol-tight rotor is optional.

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 1000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 5 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device

### LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 304 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
- >Rotors are autoclavable


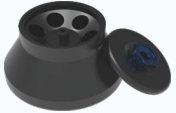
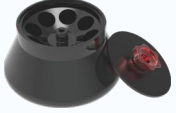

## TECHNICAL DATA

Model	TG-16
Max Speed	16500rpm
Max RCF	24814xg
Max Capacity	6x100ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	500w
Dimension	440x360x315mm
Weight	29kg




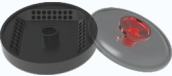

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	16500rpm/19053×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	13000rpm/15625×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	12000rpm/15712×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	15000rpm/18287×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	6×10ml	0494040100	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml	0494040200	13000rpm/15625×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	24×10ml	0494040400	10000rpm/11045×g	24×1×2ml	1101030001
				24×1×5ml	1101030002
	8×15ml conical tube	0494050100	13000rpm/14945×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	11000rpm/11045×g	12×1×5ml	1101040001
				12×1×10ml	1101040002

# AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	12000rpm/15712×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	12000rpm/15712×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml conical tube	1101070001
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	10000rpm/11045×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	10000rpm/11045×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml conical tube	1101070001
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×30ml	0494060100	13000rpm/15620×g	6×1×5ml	1101050002
				6×1×10ml	1101050001
	4×100ml	0494080100	11000rpm/12870×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml	0494080200	8000rpm/7720×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×8×0.2ml PCR strip	0494010500	13000rpm/14640×g	/	/
	24×2ml frozen storage tube	0494021600	16000rpm/24814×g	/	/

Ventilated | High speed | Benchtop

# TG-18



Order No.:0102080000

TG-18 high speed benchtop centrifuge spins sample volumes up to 6 x 100 ml, 48x1.5/2.2ml tubes or 8 x 50 ml conical tubes with a intelligent LCD touch screen. For 24x1.5/2.2 ml tubes, aerosol-tight rotor is optional.

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 1000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 5 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device

### LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 304 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
- >Rotors are autoclavable


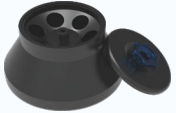
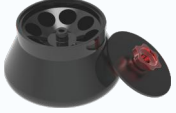
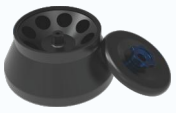
## TECHNICAL DATA

Model	TG-18
Max Speed	18000rpm
Max RCF	24814xg
Max Capacity	6x100ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	500w
Dimension	440x360x315mm
Weight	29kg




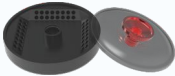

# AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	18000rpm/22675×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	13000rpm/15625×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	12000rpm/15712×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	15000rpm/18287×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	6×10ml	0494040100	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml	0494040200	13000rpm/15625×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	24×10ml	0494040400	10000rpm/11045×g	24×1×2ml	1101030001
				24×1×5ml	1101030002
	8×15ml conical tube	0494050100	13000rpm/14945×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	11000rpm/11045×g	12×1×5ml	1101040001
				12×1×10ml	1101040002

# AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	12000rpm/15712×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	12000rpm/15712×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml conical tube	1101070001
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	10000rpm/11045×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	10000rpm/11045×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml conical tube	1101070001/conical tube
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×30ml	0494060100	13000rpm/15620×g	6×1×5ml	1101050002
				6×1×10ml	1101050001
	4×100ml	0494080100	11000rpm/12870×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml	0494080200	8000rpm/7720×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×8×0.2ml PCR strip	0494010500	13000rpm/14640×g	/	/
	24×2ml frozen storage tube	0494021600	16000rpm/24814×g	/	/

Ventilated | High speed | Benchtop

# TG-20



Order No.:0102110000

TG-20 high speed benchtop centrifuge spins sample volumes up to 6 x 100 ml, 48x1.5/2.2ml tubes or 8 x 50 ml conical tubes with a intelligent LCD touch screen. For 24x1.5/2.2 mL tubes, aerosol-tight rotor is optional.

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 1000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 5 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment

### LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 304 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
- >Rotors are autoclavable


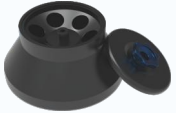
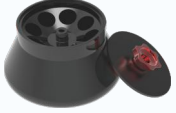
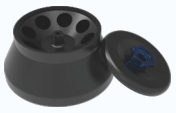
## TECHNICAL DATA

Model	TG-20
Max Speed	20000rpm
Max RCF	27994xg
Max Capacity	6x100ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	500w
Dimension	440x360x315mm
Weight	29kg




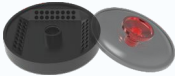

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	20000rpm/27994×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	13000rpm/15625×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	12000rpm/15712×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	15000rpm/18287×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	6×10ml	0494040100	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml	0494040200	13000rpm/15625×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	24×10ml	0494040400	10000rpm/11045×g	24×1×2ml	1101030001
				24×1×5ml	1101030002
	8×15ml conical tube	0494050100	13000rpm/14945×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	11000rpm/11045×g	12×1×5ml	1101040001
				12×1×10ml	1101040002

# AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	12000rpm/15712×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	12000rpm/15712×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml	1101070001/conical tube
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	10000rpm/11045×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	10000rpm/11045×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml	1101070001/conical tube
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×30ml	0494060100	13000rpm/15620×g	6×1×5ml	1101050002
				6×1×10ml	1101050001
	4×100ml	0494080100	11000rpm/12870×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml	0494080200	8000rpm/7720×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×8×0.2ml PCR strip	0494010500	13000rpm/14640×g	/	/
	24×2ml frozen storage tube	0494021600	16000rpm/24814×g	/	/

Ventilated | High speed | Benchtop



# TG-1850

Order No.:0102090000

This benchtop centrifuge has been developed for large sample volumes. It has swing out rotors and fixed angle rotors, swing out rotors has a maximum capacity of 4 x 500 ml bottles, 112 blood tubes, 4x2x96 well plates or 40 x 15 ml conical tubes, fixed angle rotors can run 0.2ml to 100ml.

## FEATURES

### User-friendly functions

- >12 user-defined programs
- >19 rates acceleration and deceleration
- >1m to 9999min59s timer range
- >LCD screen shows all parameters simply and clearly
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can reset parameters when rotor is spinning

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release

### Good components

- >Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: Food grade 304 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable




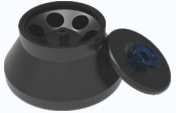
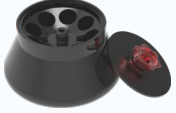
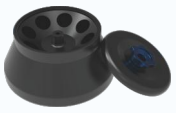
## TECHNICAL DATA

Max Speed	18500rpm	Noise	≤60dB(A)
Max RCF	24760xg	Voltage	220v/110v
Max Capacity	4x500ml	Power Consumption	750w
Speed Accuracy	±10rpm	Dimension	550x450x390mm
Time setting	1m ~ 9999m59s	Weight	49kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	18500rpm/23800×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	15000rpm/21630×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	16000rpm/24760×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	13000rpm/15620×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	12000rpm/15970×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	15000rpm/18270×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	12×10ml	0494040200	13000rpm/15620×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube	0494050100	13000rpm/15620×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	10000rpm/10640×g	12×1×5ml	1101040001
				12×1×10ml	1101040002

# AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	12000rpm/15970×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	12000rpm/15970×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml conical tube	1101070001
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	10000rpm/10640×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	10000rpm/10640×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml conical tube	1101070001
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	4×100ml	0494080100	10000rpm/10640×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml	0494080200	8000rpm/7720×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 2×3×96 well (micro plate)	0495010300	4000rpm/1970×g	2×24×1.5/2ml	1102040001
	Capacity: 48×2~7ml blood tube	0495180400	4000rpm/3100×g	/	/
	Capacity: 64×2~7ml blood tube	0495180500	4000rpm/3100×g	/	/

## AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×250ml	0495040200	4000rpm/3100×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml round tube	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml (glass tube)	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006
 <p>Order No.: 0495180710</p>	 <p>Capacity: 4×500ml Order No.: 1006010009</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>	<p>0495060400 (without lid)</p> <p>0495061300 (with lid)</p>	4000rpm/3400×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006

## AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Order No.: 0495180710</p>	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060500	4000rpm/3400×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
	 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>	0495060600	4000rpm/3400×g	4×24×1.5/2ml	1102040001
	 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>	0495180700	4000rpm/3400×g	/	/
	 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>	0495061000	4000rpm/3400×g	/	/

Ventilated | High speed | Benchtop

# TG-15



Order No.:0102020000

## Features

- >12 user-defined programs
- >10 rates acceleration and deceleration
- >LED screen shows RPM/RCF and Time
- >RCF can be set directly
- >1min to 99min59s timer range
- >User can reset parameters when rotor is spinning
- >Variable frequency motor drive
- >Microprocessor control
- >Electronic lid lock, controlled by independent motor
- >Steel housing;304 stainless steel chamber



## TECHNICAL DATA

Max Speed	15000rpm	Noise	≤58dB(A)
Max RCF	21630xg	Voltage	220v/110v
Max Capacity	12x5ml	Power Consumption	500w
Speed Accuracy	±20rpm	Dimension	410x300x260mm
Time Setting	1m ~ 99m59s/pulse	Weight	18kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	24×1.5/2ml (aerosol tight)	0494021100	15000rpm/21630×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	12×5ml (aerosol tight)	0494030400	15000rpm/18240×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	4×8×0.2ml PCR strip (aerosol tight)	0494010300	15000rpm/19600×g	/	/

Ventilated | High speed | Micro

# H15S



Order No.:0102190000

## BLDC motor

**Small Temperature Rise:** Temperature rise  $\leq 6^{\circ}\text{C}$

**Low Noise:** Noise  $\leq 56\text{dB(A)}$

**Maintenance Free:** Brushless motor, maintenance free

**Rapid Acceleration:** adjustable speed rate. Speed up to max speed in highest rate just needs 10s

## More convenient

### Resistive Touch Screen

- Color LCD screen, parameter display in full digits
- Automatic conversion between RPM and RCF
- Resistive touch screen, the device can be operated normally even with gloves
- Can change parameters under running

**Intelligent Door Lock:** Steel door buckle + smart door lock, making centrifugal work more convenient;

Automatic induction door lock, actively monitor the opening and closing state of the door, and automatically open the door after centrifugation, which is convenient for taking out samples.

**Damping Door Open:** The damping door design, after the centrifugal work is completed, the door automatically opens slowly, there is no vibration in the whole process.

**Bionic Suction Cup Base:** It adopts a bionic suction cup with strong adsorption, which is simple to fix and easy to move.

**Magnetic Rotor Lid:** The highly magnetic self-adsorbing rotor lid

## Safer

### Aluminium Alloy Inner Cover

The super-hard aluminum alloy inner cover makes the operation safer; at the same time, the internal air outlet can quickly dissipate heat.

### 10mm Stainless Steel Shaft

The connection between the door cover and the body is made of stainless steel shaft, and the door has been opened and closed for more than 100,000 times without damage in experiment, making it more secure to use.

### Stainless Steel Rotor Lid

The special stainless steel rotor cover is equipped with a magnetic pick-and-place interface, which saves time and effort when picking and placing samples.

## TECHNICAL DATA

Model	H15S	Time Setting	1s ~ 99m59s/Short spin
Max Speed	15000rpm	Noise	$\leq 56\text{dB(A)}$
Max RCF	15093xg	Power Supply	100~240V 3A
Max Capacity	8x5ml	Dimension	240x220x170mm
Speed Accuracy	$\pm 10\text{rpm}$	Weight	3.8kg

## AVAILABLE ROTORS

Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12x1.5/2ml	0494020100	15000rpm/15093xg	12x1x0.2ml	1101010001
				12x1x0.5ml	1101010002
	8x5ml	0494030100	15000rpm/15093xg	8x1x1.8ml frozen storage tube	1101020002
				8x1x2ml frozen storage tube	1101020004
				8x1x2ml	1101020001
	3x8x0.2ml PCR strip	0494010200	15000rpm/15093xg	/	/

Ventilated | High speed | Micro

# H16S



Order No.:0102200000

## BLDC motor

**Small Temperature Rise:** Temperature rise  $\leq 6^{\circ}\text{C}$

**Low Noise:** Noise  $\leq 56\text{dB(A)}$

**Maintenance Free:** Brushless motor, maintenance free

**Rapid Acceleration:** adjustable speed rate. Speed up to max speed in highest rate just needs 10s

## More convenient

### Resistive Touch Screen

- Color LCD screen, parameter display in full digits
- Automatic conversion between RPM and RCF
- Resistive touch screen, the device can be operated normally even with gloves
- Can change parameters under running

**Intelligent Door Lock:** Steel door buckle + smart door lock, making centrifugal work more convenient;

Automatic induction door lock, actively monitor the opening and closing state of the door, and automatically open the door after centrifugation, which is convenient for taking out samples.

**Damping Door Open:** The damping door design, after the centrifugal work is completed, the door automatically opens slowly, there is no vibration in the whole process.

**Bionic Suction Cup Base:** It adopts a bionic suction cup with strong adsorption, which is simple to fix and easy to move.

**Magnetic Rotor Lid:** The highly magnetic self-adsorbing rotor lid

## Safer

### Aluminium Alloy Inner Cover

The super-hard aluminum alloy inner cover makes the operation safer; at the same time, the internal air outlet can quickly dissipate heat.

### 10mm Stainless Steel Shaft

The connection between the door cover and the body is made of stainless steel shaft, and the door has been opened and closed for more than 100,000 times without damage in experiment, making it more secure to use.

### Stainless Steel Rotor Lid

The special stainless steel rotor cover is equipped with a magnetic pick-and-place interface, which saves time and effort when picking and placing samples.

## TECHNICAL DATA

Model	H16S	Time Setting	1s ~ 99m59s/Short spin
Max Speed	16500rpm	Noise	$\leq 56\text{dB(A)}$
Max RCF	18262xg	Power Supply	100~240V 3A
Max Capacity	8x5ml	Dimension	240x220x170mm
Speed Accuracy	$\pm 10\text{rpm}$	Weight	3.8kg

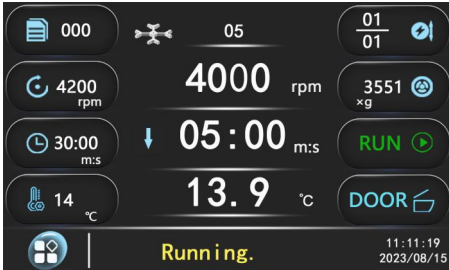
## AVAILABLE ROTORS

Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12x1.5/2ml	0494020100	16500rpm/18262xg	12x1x0.2ml	1101010001
				12x1x0.5ml	1101010002
	8x5ml	0494030100	16500rpm/18262xg	8x1x1.8ml frozen storage tube	1101020002
				8x1x2ml frozen storage tube	1101020004
				8x1x2ml	1101020001
	3x8x0.2ml PCR strip	0494010200	16500rpm/18262xg	/	/



Order No.:0105030000

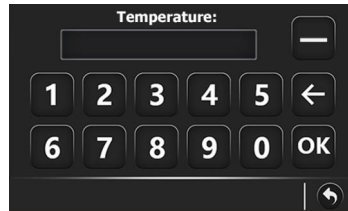
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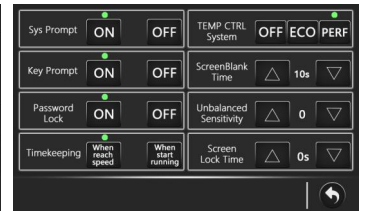
## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

PROGRAM	ROTOR	SPEED	TIME	TEMP	ACC/DEC
001	cx	12X1. 5mL 10000rpm 6987xg	00:05:00	4	02/02
002		24X2mL 1001rpm 104xg	00:05:00	4	02/02
003		12X1. 5mL 1001rpm 70xg	00:05:00	4	02/05
004		12X1. 5mL 1001rpm 70xg	00:05:00	4	02/03
005		12X1. 5mL 1001rpm 70xg	00:05:00	4	02/02



	1	2	3	4	5	6	7
Speed	12000	15000	11000	8000	9000	10000	15000
Time	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Temp	4	4	4	4	4	4	4
Rotor	12X1. 5mL	Acc 02	Dec 04	Add	Del		



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvelly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Reservation:can reserve cooling,turn on and turn off time
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Ensure safety

- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	6000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	5201xg	Noise	≤56dB(A)
Max Capacity	4x750ml	Voltage	220v/110v
Temperature Range	-20°C ~ +40°C	Power Consumption	1500w
Temperature Accuracy	±1°C	Dimension	600x680x420mm
Speed Accuracy	±10rpm	Weight	108kg

## AVAILABLE ROTORS

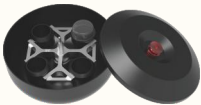




Swing out rotor									
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor					
				Capacity	Order No.				
 <p>Order No.: 0495030720</p>	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	5000rpm/4650×g	4×1×5ml	1102020001				
				4×1×10ml	1102020002				
				4×1×15ml conical tube	1102020003				
				4×1×30ml	1102020004				
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	5000rpm/4650×g	4×1×10ml glass tube	1102020006				
				4×3×2ml	1102030010				
				4×4×2ml frozen storage tube	1102030009				
				4×1×5ml	1102030001				
				4×1×10ml	1102030002				
				4×1×15ml conical tube	1102030003				
				4×1×30ml	1102030004				
				4×1×50ml	1102030005/round tube 1102030006/conical tube				
				 <p>Order No.: 0495150520</p>	 <p>Capacity: 32×15ml Order No.: 0495031110</p>	0495031100	4000rpm/2980×g	32×1×2ml	1102010008
								32×1×2ml blood tube	1102010001
32×1×7ml blood tube	1102010002								
32×1×10ml blood tube	1102010003								
 <p>Capacity: 8×50ml Order No.: 0495030410</p>	0495030400	4000rpm/2980×g	8×1×5ml		1102020001				
			8×1×10ml		1102020002				
			8×1×10ml glass tube		1102020006				
			8×1×15ml conical tube		1102020003				
			8×1×30ml		1102020004				
			8×4×2ml frozen storage tube		1102030009				
 <p>Capacity: 8×100ml Order No.: 0495030610</p>	0495030600	4000rpm/2980×g	8×3×2ml		1102030010				
			8×1×5ml		1102030001				
			8×1×10ml		1102030002				
			8×1×15ml conical tube		1102030003				
			8×1×30ml		1102030004				
			8×1×50ml		1102030005/round tube 1102030006/conical tube				

## AVAILABLE ROTORS











Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	6000rpm/5123×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	6000rpm/5123×g	6×1×5ml	1102020001
				6×1×10ml	1102020002
				6×1×10ml glass tube	1102020006
				6×1×15ml conical tube	1102020003
				6×1×30ml	1102020004

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2980×g	/	/
	Capacity: 64×2~7ml blood tube	0495180300	4000rpm/2980×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010200	4000rpm/1971×g	2×24×1.5/2ml	1102040001
	Capacity: 4×300ml  Note: No suitable bottle, must choose adaptor	0495050100	4000rpm/3023×g	4×15×1.5/2ml	1102060009
				4×16×7ml blood tube decap	0497011000
				4×9×15ml conical tube	0497011200
				4×4×50ml conical tube	0497011300
				4×1×100ml	1102060004
				4×1×250ml	1102060005

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×250ml	0495040800	5000rpm/5201×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006
	Capacity: 4×250ml (conical bottle) Order No.:0495040410	0495040400	4200rpm/3551×g	/	/
	Order No.: 0495180310	Capacity: 8×50ml Order No.:1004010008	4200rpm/3551×g	/	/
	 Capacity: 4×600ml Order No.: 1007010002  Note: No suitable bottle, must choose adaptor	0495070100	4000rpm/3400×g	4×20×2~7ml blood tube decap	0497010700
				4×20×10ml blood tube	1102090009
				4×12×15ml conical tube	1102090010
				4×5×50ml conical tube	1102090011
	Order No.: 0495070110	 Capacity: 4×27×2~7ml blood tube decap Order No.: 1007010003	0495070200	4000rpm/3184×g	4×27×2~7ml

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>		0495060100 (without lid)	4200rpm/3551×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
 <p>Order No.: 0495180610</p>		0495060200	4200rpm/3551×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>		0495060300	4200rpm/3551×g	4×24×1.5/2ml	1102040001
 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>		0495180600	4200rpm/3551×g	/	/
 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>		0495060900	4200rpm/3551×g	/	/

# AVAILABLE ROTORS

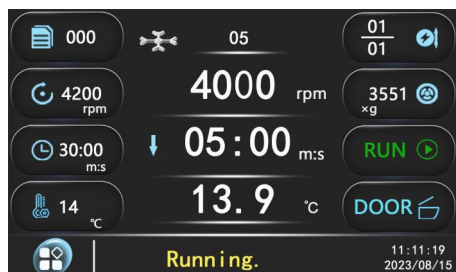
Swing out rotor						
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor		
				Capacity	Order No.	
 <p>Order No.: 0495190110</p>	 <p>Capacity: 4×700ml Order No.: 0495190120</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495190100	4000rpm/3500×g	4×14×15ml conical tube	1102100010	
	4×5×50ml conical tube			1102100009		
	4×1×250ml conical bottle			1102100008		
	4×1×500ml conical bottle			1102100007		
	 <p>Order No.: 0495190110</p>	 <p>Capacity: 4×750ml Order No.: 0495190220</p>	0495080100	4000rpm/3500×g	4×24×2ml	1102100011
					4×24×2ml frozen storage tube	1102100020
					4×37×5ml RIA tube	1102100021
					4×24×7ml blood tube	1102100001
					4×18×10ml	1102100019
					4×14×15ml	1102100017/round tube 1102100002/conical tube
					4×8×30ml	1102100018
					4×7×50ml conical tube	1102100003
					4×3×100ml	1102100004
					4×1×250ml	1102100005
	4×1×500ml	1102100006				
		Capacity: 6×250ml	0495040600	4000rpm/3581×g	/	/

Refrigerated | Low speed | Benchtop



Order No.:0105020000

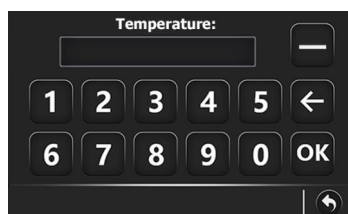
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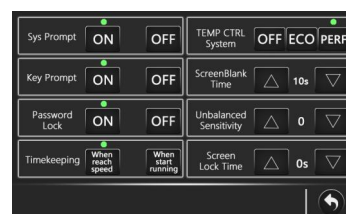
## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

PROGRAM	ROTOR	SPEED	TIME	TEMP	ACC/DEC
001	cx	12X1. 5mL 10000rpm 6987xg	00:05:00	4	02/02
002		24X2mL 1001 rpm 104xg	00:05:00	4	02/02
003		12X1. 5mL 1001 rpm 70xg	00:05:00	4	02/05
004		12X1. 5mL 1001 rpm 70xg	00:05:00	4	02/03
005		12X1. 5mL 1001 rpm 70xg	00:05:00	4	02/02



	1	2	3	4	5	6	7
Speed	12000	15000	11000	8000	9000	10000	15000
Time	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Temp	4	4	4	4	4	4	4
Rotor	12X1. 5mL	Acc 02	Dec 04	Add	Del		



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvelly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Reservation:can reserve cooling,turn on and turn off time
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Ensure safety

- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

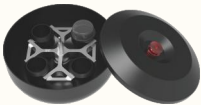




## TECHNICAL DATA

Max Speed	5000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	5201xg	Noise	≤56dB(A)
Max Capacity	4x750ml	Voltage	220v/110v
Temperature Range	-20°C ~ +40°C	Power Consumption	1500w
Temperature Accuracy	±1°C	Dimension	600x680x420mm
Speed Accuracy	±10rpm	Weight	108kg







# AVAILABLE ROTORS

Swing out rotor									
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor					
				Capacity	Order No.				
 <p>Order No.: 0495030720</p>	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	5000rpm/4650×g	4×1×5ml	1102020001				
				4×1×10ml	1102020002				
				4×1×15ml conical tube	1102020003				
				4×1×30ml	1102020004				
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	5000rpm/4650×g	4×1×10ml glass tube	1102020006				
				4×3×2ml	1102030010				
				4×4×2ml frozen storage tube	1102030009				
				4×1×5ml	1102030001				
				4×1×10ml	1102030002				
				4×1×15ml conical tube	1102030003				
				4×1×30ml	1102030004				
				4×1×50ml	1102030005/round tube 1102030006/conical tube				
				 <p>Order No.: 0495150520</p>	 <p>Capacity: 32×15ml Order No.: 0495031110</p>	0495031100	4000rpm/2980×g	32×1×2ml	1102010008
								32×1×2ml blood tube	1102010001
32×1×7ml blood tube	1102010002								
32×1×10ml blood tube	1102010003								
 <p>Capacity: 8×50ml Order No.: 0495030410</p>	0495030400	4000rpm/2980×g	8×1×5ml		1102020001				
			8×1×10ml		1102020002				
			8×1×10ml glass tube		1102020006				
			8×1×15ml conical tube		1102020003				
			8×1×30ml		1102020004				
			8×4×2ml frozen storage tube		1102030009				
 <p>Capacity: 8×100ml Order No.: 0495030610</p>	0495030600	4000rpm/2980×g	8×3×2ml		1102030010				
			8×1×5ml		1102030001				
			8×1×10ml		1102030002				
			8×1×15ml conical tube		1102030003				
			8×1×30ml		1102030004				
			8×1×50ml		1102030005/round tube 1102030006/conical tube				

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×250ml	0495040800	5000rpm/5201×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006
	Capacity: 4×250ml (conical bottle) Order No.:0495040410	0495040400	4200rpm/3551×g	/	/
	Capacity: 8×50ml Order No.:1004010008		4200rpm/3551×g	/	/
	 Capacity: 4×600ml Order No.: 1007010002  Note: No suitable bottle, must choose adaptor	0495070100	4000rpm/3400×g	4×20×2~7ml blood tube decap	0497010700
				4×20×10ml blood tube	1102090009
				4×12×15ml conical tube	1102090010
				4×5×50ml conical tube	1102090011
	 Capacity: 4×27×2~7ml blood tube decap Order No.: 1007010003	0495070200	4000rpm/3184×g	4×27×2~7ml	0497011400

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Order No.: 0495180610</p>	 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>	0495060100 (without lid)	4200rpm/3551×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060200	4200rpm/3551×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
	 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>	0495060300	4200rpm/3551×g	4×24×1.5/2ml	1102040001
	 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>	0495180600	4200rpm/3551×g	/	/
	 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>	0495060900	4200rpm/3551×g	/	/

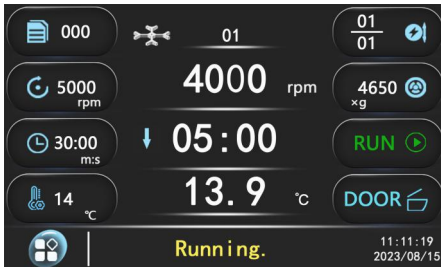
## AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
  Order No.: 0495190110	 Capacity: 4×700ml Order No.: 0495190120 Note: No suitable bottle, must choose adaptor	0495190100	4000rpm/3500×g	4×14×15ml conical tube	1102100010
				4×5×50ml conical tube	1102100009
				4×1×250ml conical bottle	1102100008
				4×1×500ml conical bottle	1102100007
	 Capacity: 4×750ml Order No.: 0495190220	0495080100	4000rpm/3500×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
4×1×500ml	1102100006				
	Capacity: 6×250ml	0495040600	4000rpm/3581×g	/	/
	Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2980×g	/	/
	Capacity: 64×2~7ml blood tube	0495180300	4000rpm/2980×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010200	4000rpm/1971×g	2×24×1.5/2ml	1102040001
	Capacity: 4×300ml  Note: No suitable bottle, must choose adaptor	0495050100	4000rpm/3023×g	4×15×1.5/2ml	1102060009
				4×16×7ml blood tube decap	0497011000
				4×9×15ml conical tube	0497011200
				4×4×50ml conical tube	0497011300
				4×1×100ml	1102060004
				4×1×250ml	1102060005



Order No.:0103040000

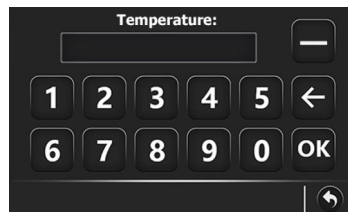
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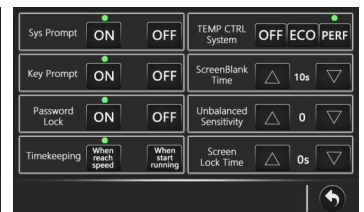
## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

PROGRAM	ROTOR	SPEED	TIME	TEMP	ACC/DEC
001	cx	12X1. 5mL 10000rpm 6987xg	00:05:00	4	02/02
002		24X2mL 1001 rpm 104xg	00:05:00	4	02/02
003		12X1. 5mL 1001 rpm 70xg	00:05:00	4	02/05
004		12X1. 5mL 1001 rpm 70xg	00:05:00	4	02/03
005		12X1. 5mL 1001 rpm 70xg	00:05:00	4	02/02



	1	2	3	4	5	6	7
Speed	12000	15000	11000	8000	9000	10000	15000
Time	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Temp	4	4	4	4	4	4	4



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvelly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Reservation:can reserve cooling,turn on and turn off time
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Ensure safety

- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable








## TECHNICAL DATA

Max Speed	6000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	5123xg	Noise	≤56dB(A)
Max Capacity	4x300ml	Voltage	220v
Temperature Range	-20°C ~ +40°C	Power Consumption	1200w
Temperature Accuracy	±1°C	Dimension	580x640x390mm
Speed Accuracy	±10rpm	Weight	82kg

## AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Order No.: 0495030720</p>	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	5000rpm/4650×g	4×1×5ml	1102020001
				4×1×10ml	1102020002
				4×1×15ml conical tube	1102020003
				4×1×30ml	1102020004
				4×1×10ml glass tube	1102020006
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	5000rpm/4650×g	4×3×2ml	1102030010
				4×4×2ml frozen storage tube	1102030009
				4×1×5ml	1102030001
				4×1×10ml	1102030002
				4×1×15ml conical tube	1102030003
			4×1×30ml	1102030004	
			4×1×50ml	1102030005/round tube 1102030006/conical tube	
	Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2980×g	/	/
	Capacity: 64×2~7ml blood tube	0495180300	4000rpm/2980×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010200	4000rpm/1971×g	2×24×1.5/2ml	1102040001
	Capacity: 4×300ml  Note: No suitable bottle, must choose adaptor	0495050100	4000rpm/3023×g	4×15×1.5/2ml	1102060009
				4×16×2~7ml blood tube decap	0497011000
				4×9×15ml conical tube	0497011200
				4×4×50ml conical tube	0497011300
				4×1×100ml	1102060004
				4×1×250ml	1102060005

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 Order No.: 0495150520	 Capacity: 32×15ml Order No.: 0495031110	0495031100	4000rpm/2980×g	32×1×2ml	1102010008
				32×1×2ml blood tube	1102010001
				32×1×7ml blood tube	1102010002
				32×1×10ml blood tube	1102010003
	 Capacity: 8×50ml Order No.: 0495030410	0495030400	4000rpm/2980×g	8×1×5ml	1102020001
				8×1×10ml	1102020002
				8×1×10ml glass tube	1102020006
				8×1×15ml conical tube	1102020003
				8×1×30ml	1102020004
	 Capacity: 8×100ml Order No.: 0495030610	0495030600	4000rpm/2980×g	8×4×2ml frozen storage tube	1102030009
				8×3×2ml	1102030010
				8×1×5ml	1102030001
				8×1×10ml	1102030002
				8×1×15ml conical tube	1102030003
				8×1×30ml	1102030004
8×1×50ml				1102030005/round tube 1102030006/conical tube	
	Capacity: 4×250ml	0495040100	4000rpm/2980×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006
Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	6000rpm/5123×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	6000rpm/5123×g	6×1×5ml	1102020001
				6×1×10ml	1102020002
				6×1×10ml glass tube	1102020006
				6×1×15ml conical tube	1102020003
				6×1×30ml	1102020004

Refrigerated | High speed | Benchtop



# TGL-23

Order No.:0104140000

TGL-23 is a intelligent, versatile high speed refrigerated centrifuge runs up to 23000rpm. The centrifuge is a large capacity model which can accommodate 0.2ml to 750ml tube/bottle. Fixed angle rotors are compatible with tubes 0.2ml to 100ml. Swing out rotors are compatible with 1.5ml to 750ml tube or bottle, blood tube and microplate. With its leading technologies and many user-friendly functions,it can perfectly meet your centrifugal needs.

## We solve two core safety risks

**Risk one:Overspeed operation**

**Solution: Automatic rotor identification to prevent over speed operation**

### Automatic rotor identification by RFID

1. Static identification. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

**Risk two:Unbalanced operation**

**Solution: Imbalance detection in the whole operation process & automatically stop**

### Imbalance sensor:Three axis gyroscope

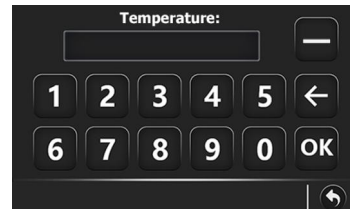
1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate



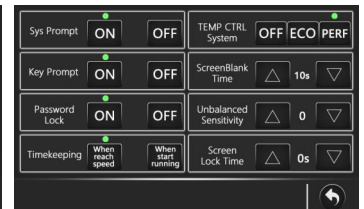
## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

PROGRAM	ROTOR	SPEED	TIME	TEMP	ACC/DEC
001	cx	12X1.5mL 1000rpm 6987xg	00:05:00	4	02/02
002		24X2mL 1001rpm 104xg	00:05:00	4	02/02
003		12X1.5mL 1001rpm 70xg	00:05:00	4	02/05
004		12X1.5mL 1001rpm 70xg	00:05:00	4	02/03
005		12X1.5mL 1001rpm 70xg	00:05:00	4	02/02



	1	2	3	4	5	6	7
Speed	12000	15000	11000	8000	9000	10000	15000
Time	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Temp	4	4	4	4	4	4	4
	Rotor 12X1.5mL	Acc 02	Dec 04	Add	Del		



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvelly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Reservation:can reserve cooling,turn on and turn off time
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Ensure safety

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	23000rpm
Max RCF	37023xg
Max Capacity	4x750ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤56dB(A)
Voltage	220v/110v
Power Consumption	1500w
Dimension	600x680x420mm
Weight	108kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	23000rpm/37023×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16500rpm/26389×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	18000rpm/31405×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	15000rpm/21784×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	13000rpm/18535×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	18000rpm/26334×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	12×10ml	0494040200	15500rpm/22213×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube	0494050100	14500rpm/18593×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	13000rpm/18667×g	12×1×5ml	1101040001
				12×1×10ml	1101040002

# AVAILABLE ROTORS

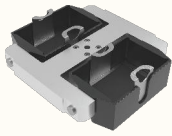
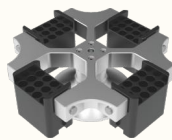
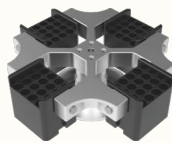
Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	13500rpm/19886×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	13000rpm/18440×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml conical tube	1101070001
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	12000rpm/15906×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	12000rpm/16710×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml conical tube	1101070001
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS



### Fixed angle rotor

Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×50ml conical tube	0494070700	10000rpm/14310×g	12×1×2ml	1101070003
				12×1×5ml	1101070004/conical tube 1101070005/round tube
				12×1×7ml	1101070012
				12×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				12×1×15ml conical tube	1101070001
				12×1×25ml	1101070010
				12×1×50ml round tube	1101070002
	4×100ml	0494080100	12000rpm/15906×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml	0494080200	10000rpm/12063×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube

### Swing out rotor





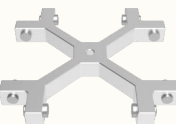


Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 2×3×96 well (micro plate)	0495010300	4000rpm/2003×g	2×24×1.5/2ml	1102040001
	Capacity: 48×2~7ml blood tube	0495180400	4000rpm/2951×g	/	/
	Capacity: 64×2~7ml blood tube	0495180500	4000rpm/2951×g	/	/

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060400 (without lid)	4200rpm/3551×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
 <p>Order No.: 0495180710</p>	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060500	4200rpm/3551×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>	 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>	0495060600	4200rpm/3551×g	4×24×1.5/2ml	1102040001
				Capacity: 148×5ml (RIA tube) Order No.: 0496061010	0495061000

# AVAILABLE ROTORS

## Swing out rotor

Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 Order No.:0495180510	 Capacity: 4×250ml (conical bottle) Order No.:0495040410	0495040300	4500rpm/4256×g	/	/
	 Capacity: 8×50ml Order No.: 1004010008	/	4500rpm/4256×g	/	/
	 Capacity: 4×250ml Order No.: 0495040520	0495040200	4500rpm/3735×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
4×2×50ml	1102050004/conical tube 1102050005/round tube				
4×1×100ml	1102050006				
 Order No.: 0495190210	 Capacity: 4×700ml Order No.: 0495190120 Note: No suitable bottle,must choose adaptor	0495190200	4000rpm/3500×g	4×14×15ml conical tube	1102100010
				4×5×50ml conical tube	1102100009
				4×4×250ml conical tube	1102100008
				4×1×500ml conical tube	1102100007
	 Capacity: 4×750ml Order No.: 0495190220	0495080300	4000rpm/3500×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
4×1×500ml	1102100006				

Refrigerated | High speed | Benchtop

# TGL-21



Order No.:0104100000

TGL-21 is a intelligent, versatile high speed refrigerated centrifuge runs up to 21000rpm. The centrifuge is a large capacity model which can accommodate 0.2ml to 750ml tube/bottle. Fixed angle rotors are compatible with tubes 0.2ml to 100ml. Swing out rotors are compatible with 1.5ml to 750ml tube or bottle, blood tube and microplate. With its leading technologies and many user-friendly functions,it can perfectly meet your centrifugal needs.

## We solve two core safety risks

**Risk one:Overspeed operation**

**Solution: Automatic rotor identification to prevent over speed operation**

### Automatic rotor identification by RFID

1. Static identification. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

**Risk two:Unbalanced operation**

**Solution: Imbalance detection in the whole operation process & automatically stop**

### Imbalance sensor:Three axis gyroscope

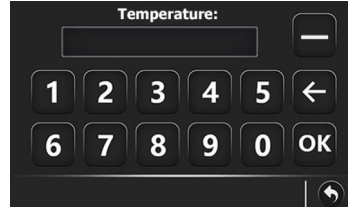
1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate



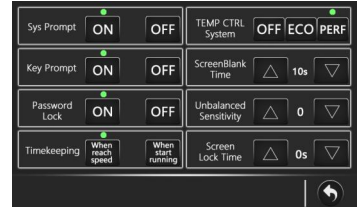
## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

PROGRAM	ROTOR	SPEED	TIME	TEMP	ACC/DEC
001	CX	12X1.5mL 10000rpm 6987Xg	00:05:00	4	02/02
002		24X2mL 1001rpm 104Xg	00:05:00	4	02/02
003		12X1.5mL 1001rpm 70Xg	00:05:00	4	02/05
004		12X1.5mL 1001rpm 70Xg	00:05:00	4	02/03
005		12X1.5mL 1001rpm 70Xg	00:05:00	4	02/02



	1	2	3	4	5	6	7
Speed	12000	15000	11000	8000	9000	10000	15000
Time	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Temp	4	4	4	4	4	4	4
Rotor	12X1.5mL	Acc	Dec	04	Add	Del	



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Reservation:can reserve cooling,turn on and turn off time
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Ensure safety

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	21000rpm
Max RCF	31405xg
Max Capacity	4x750ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤56dB(A)
Voltage	220v/110v
Power Consumption	1500w
Dimension	600x680x420mm
Weight	108kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	21000rpm/30864×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16500rpm/26389×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	18000rpm/31405×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	15000rpm/21784×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	13000rpm/18535×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	17000rpm/23489×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	12×10ml	0494040200	15000rpm/20803×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube	0494050100	14500rpm/18593×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	12500rpm/17259×g	12×1×5ml	1101040001
				12×1×10ml	1101040002

## AVAILABLE ROTORS

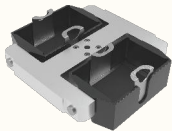
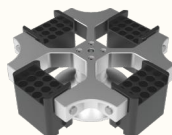
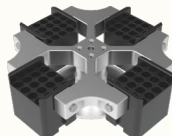
Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	13000rpm/18440×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	13000rpm/18440×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml conical tube	1101070001
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	11000rpm/13365×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	11000rpm/14041×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml conical tube	1101070001
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

# AVAILABLE ROTORS







## Fixed angle rotor

Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×50ml conical tube	0494070700	10000rpm/14310×g	12×1×2ml	1101070003
				12×1×5ml	1101070004/conical tube 1101070005/round tube
				12×1×7ml	1101070012
				12×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				12×1×15ml conical tube	1101070001
				12×1×25ml	1101070010
				12×1×50ml round tube	1101070002
	4×100ml	0494080100	11000rpm/13365×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml	0494080200	10000rpm/12063×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube

## Swing out rotor








Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 2×3×96 well (micro plate)	0495010300	4000rpm/2003×g	2×24×1.5/2ml	1102040001
	Capacity: 48×2~7ml blood tube	0495180400	4000rpm/2951×g	/	/
	Capacity: 64×2~7ml blood tube	0495180500	4000rpm/2951×g	/	/

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Order No.: 0495180710</p>	 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>	0495060400 (without lid)	4200rpm/3551×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
	4×1×250ml	1102070006			
	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060500	4200rpm/3551×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
4×10×15ml conical tube				0497010500	
4×6×30ml				1102080014	
4×5×50ml conical tube				0497010600	
4×2×100ml	1102080006				
4×1×250ml	1102080007				
 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>	0495060600	4200rpm/3551×g	4×24×1.5/2ml	1102040001	
 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>	0495180700	4200rpm/3551×g	/	/	
 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>	0495061000	4200rpm/3551×g	/	/	

# AVAILABLE ROTORS

## Swing out rotor

Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 Order No.:0495180510	 Capacity: 4×250ml (conical bottle) Order No.:0495040410	0495040300	4500rpm/4256×g	/	/
	 Capacity: 8×50ml Order No.: 1004010008	/	4500rpm/4256×g	/	/
	 Capacity: 4×250ml Order No.: 0495040520	0495040200	4500rpm/3735×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
4×2×50ml	1102050004/conical tube 1102050005/round tube				
4×1×100ml	1102050006				
 Order No.: 0495190210	 Capacity: 4×700ml Order No.: 0495190120 Note: No suitable bottle,must choose adaptor	0495190200	4000rpm/3500×g	4×14×15ml conical tube	1102100010
				4×5×50ml conical tube	1102100009
				4×4×250ml conical tube	1102100008
				4×1×500ml conical tube	1102100007
	 Capacity: 4×750ml Order No.: 0495190220	0495080300	4000rpm/3500×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
4×1×500ml	1102100006				

Refrigerated | High speed | Benchtop



# TGL-19

Order No.:0104070000

TGL-19 is a intelligent, versatile high speed refrigerated centrifuge runs up to 19000rpm. The centrifuge is a large capacity model which can accommodate 0.2ml to 500ml tube/bottle. Fixed angle rotors are compatible with tubes 0.2ml to 100ml. Swing out rotors are compatible with 1.5ml to 500ml tube or bottle, blood tube and microplate. With its leading technologies and many user-friendly functions,it can perfectly meet your centrifugal needs.

## We solve two core safety risks

**Risk one:Overspeed operation**

**Solution: Automatic rotor identification to prevent over speed operation**

### Automatic rotor identification by RFID

1. Static identification. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

**Risk two:Unbalanced operation**

**Solution: Imbalance detection in the whole operation process & automatically stop**

### Imbalance sensor:Three axis gyroscope

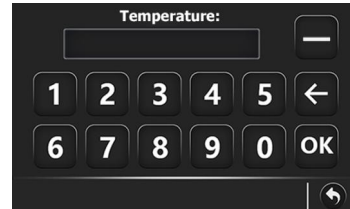
1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate



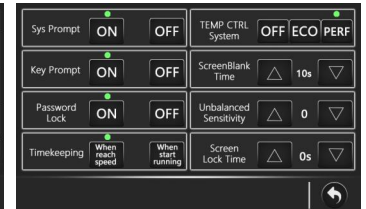
## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

PROGRAM	ROTOR	SPEED	TIME	TEMP	ACC/DEC
001	CX	12X1.5mL 1000rpm 6987xg	00:05:00	4	02/02
002		24X2mL 1001rpm 104xg	00:05:00	4	02/02
003		12X1.5mL 1001rpm 70xg	00:05:00	4	02/05
004		12X1.5mL 1001rpm 70xg	00:05:00	4	02/03
005		12X1.5mL 1001rpm 70xg	00:05:00	4	02/02



	1	2	3	4	5	6	7
Speed	12000	15000	11000	8000	9000	10000	15000
Time	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Temp	4	4	4	4	4	4	4
Rotor	12X1.5mL	Acc	Dec	04	Add	Del	



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Reservation:can reserve cooling,turn on and turn off time
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C , 1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Ensure safety

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	19000rpm
Max RCF	30367xg
Max Capacity	4x500ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤56dB(A)
Voltage	220v/110v
Power Consumption	1500w
Dimension	600x680x420mm
Weight	108kg

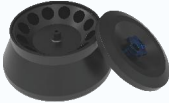


## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	19000rpm/25265×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	17700rpm/30367×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	14000rpm/18976×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	13000rpm/18535×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	17000rpm/23489×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	6×10ml	0494040100	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml	0494040200	14000rpm/18121×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	12×15ml conical tube	0494050200	12000rpm/15906×g	12×1×5ml	1101040001
				12×1×10ml	1101040002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	13000rpm/18440×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	13000rpm/18440×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml conical tube	1101070001
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	11000rpm/13365×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	11000rpm/14041×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml conical tube	1101070001
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002







## Fixed angle rotor

Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×50ml conical tube	0494070700	9000rpm/11590×g	12×1×2ml	1101070003
				12×1×5ml	1101070004/conical tube 1101070005/round tube
				12×1×7ml	1101070012
				12×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				12×1×15ml	1101070001/conical tube
				12×1×25ml	1101070010
				12×1×50ml	1101070002/round tube
	4×100ml	0494080100	11000rpm/13365×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml	0494080200	10000rpm/12063×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube

## Swing out rotor

Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 2×3×96 well (micro plate)	0495010300	4000rpm/2003×g	2×24×1.5/2ml	1102040001
	Capacity: 48×2~7ml blood tube	0495180400	4000rpm/2951×g	/	/
	Capacity: 64×2~7ml blood tube	0495180500	4000rpm/2951×g	/	/
	Capacity: 4×250ml	0495040200	4500rpm/3735×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Order No.: 0495180710</p>	 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>	0495060400 (without lid)	4200rpm/3551×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
	4×1×250ml	1102070006			
	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060500	4200rpm/3551×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×7ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
4×10×15ml conical tube				0497010500	
4×6×30ml				1102080014	
4×5×50ml conical tube				0497010600	
4×2×100ml	1102080006				
4×1×250ml	1102080007				
 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>	0495060600	4200rpm/3551×g	4×24×1.5/2ml	1102040001	
 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>	0495180700	4200rpm/3551×g	/	/	
 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>	0495061000	4200rpm/3551×g	/	/	

Refrigerated | High speed | Benchtop

# TGL-17



Order No.:0104040000

TGL-17 is a intelligent, versatile high speed refrigerated centrifuge runs up to 18500rpm. The centrifuge is a large capacity model which can accommodate 0.2ml to 250ml tube/bottle. Fixed angle rotors are compatible with tubes 0.2ml to 100ml. Swing out rotors are compatible with 1.5ml to 250ml tube or bottle, blood tube and microplate. With its leading technologies and many user-friendly functions,it can perfectly meet your centrifugal needs.

## We solve two core safety risks

**Risk one:Overspeed operation**

**Solution: Automatic rotor identification to prevent over speed operation**

### Automatic rotor identification by RFID

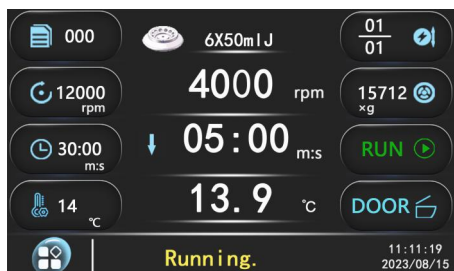
1. Static identification. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

**Risk two:Unbalanced operation**

**Solution: Imbalance detection in the whole operation process & automatically stop**

### Imbalance sensor:Three axis gyroscope

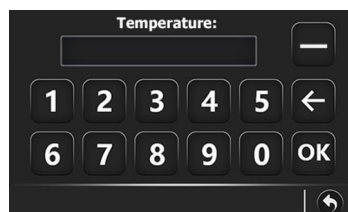
1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate



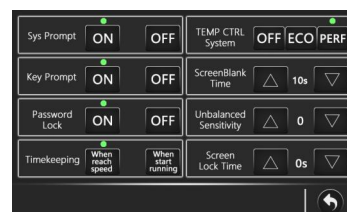
## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

PROGRAM	ROTOR	SPEED	TIME	TEMP	ACC/DEC
001	cx	12X1.5mL 1000rpm 6987xg	00:05:00	4	02/02
002		24X2mL 1001rpm 104xg	00:05:00	4	02/02
003		12X1.5mL 1001rpm 70xg	00:05:00	4	02/05
004		12X1.5mL 1001rpm 70xg	00:05:00	4	02/03
005		12X1.5mL 1001rpm 70xg	00:05:00	4	02/02



	1	2	3	4	5	6	7
Speed	12000	15000	11000	8000	9000	10000	15000
Time	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00	00:01:00
Temp	4	4	4	4	4	4	4



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Reservation:can reserve cooling,turn on and turn off time
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Ensure safety

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	18500rpm
Max RCF	30025xg
Max Capacity	4x250ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤56dB(A)
Power Consumption	1200w
Dimension	580x640x375mm
Weight	84kg

## AVAILABLE ROTORS

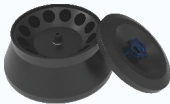

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	18500rpm/23952×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	15000rpm/21809×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	17600rpm/30025×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	13000rpm/16362×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	12000rpm/15793×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	15000rpm/18287×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	6×10ml	0494040100	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml	0494040200	14000rpm/18121×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube	0494050100	13000rpm/14945×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	12000rpm/15906×g	12×1×5ml	1101040001
				12×1×10ml	1101040002
	6×30ml	0494060100	13000rpm/15927×g	6×1×5ml	1101050002
				6×1×10ml	1101050001

## AVAILABLE ROTORS

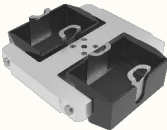
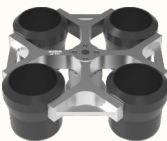
Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	12000rpm/15712×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	12000rpm/15712×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml conical tube	1101070001
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	11000rpm/13365×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	11000rpm/14041×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml conical tube	1101070001
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

### Fixed angle rotor

Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×50ml conical tube	0494070700	8000rpm/9158×g	12×1×2ml	1101070003
				12×1×5ml	1101070004/conical tube 1101070005/round tube
				12×1×7ml	1101070012
				12×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				12×1×15ml	1101070001/conical tube
				12×1×25ml	1101070010
				12×1×50ml	1101070002/round tube
	4×100ml	0494080100	11000rpm/13365×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube

### Swing out rotor

Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 2×3×96 well (micro plate)	0495010300	4000rpm/2003×g	2×24×1.5/2ml	1102040001
	Capacity: 4×250ml	0495040200	4500rpm/3735×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006

Refrigerated | High speed | Benchtop



# TGL-1650

Order No.:0104030000

TGL-1650 is a high speed refrigerated centrifuge runs up to 16500rpm. Although the centrifuge is compact ,it can runs up to 6x100ml. The centrifuge has good refrigeration system---imported compressor unit,PID dynamical temperature control. The centrifuge equipped with SHUKE RFID automatic rotor identification technology and imbalance detection by three axis gyroscope.

## We solve two core safety risks

**Risk one:Overspeed operation**

**Solution: Automatic rotor identification to prevent over speed operation**

### Automatic rotor identification by RFID

1. Static identification. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

**Risk two:Unbalanced operation**

**Solution: Imbalance detection in the whole operation process & automatically stop**

### Imbalance sensor:Three axis gyroscope

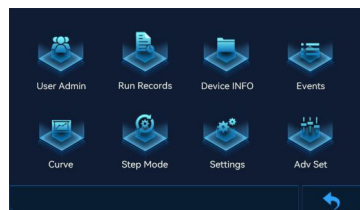
1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate



## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

Rotor	Acc/Dec	RPM/RCF	Time	Temp
001: 24x1.5ml	02/02	1001rpm	00:05:00	4°C
002: 24x1.5mL	01/01	8000rpm	00:05:00	4°C



Number	User Name	Level
001	Administrator	Admin
002	xxx	Superuser
003	11111	Operator



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvelly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module
- >Can set cooling stop time on door/standby

### Ensure safety

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor
- >Rotors are autoclavable





## TECHNICAL DATA

Max Speed	16500rpm
Max RCF	24814xg
Max Capacity	6x100ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤56dB(A)
Voltage	220v/110v
Power Consumption	1200w
Dimension	420x520x360mm
Weight	56kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020300	16500rpm/19053×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494021200	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml aerosol tight	0494021400	14000rpm/18976×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml aerosol tight	0494021300	12000rpm/15793×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	16×5ml aerosol tight	0494030600	15000rpm/21420×g	16×1×1.8ml frozen storage tube	1101020002
				16×1×2ml frozen storage tube	1101020004
				16×1×2ml	1101020001
	6×10ml aerosol tight	0494040500	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml aerosol tight	0494040600	14000rpm/18121×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube (aerosol tight)	0494050400	14000rpm/17333×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube (aerosol tight)	0494050500	11000rpm/13365×g	12×1×5ml	1101040001
				12×1×10ml	1101040002
	6×30ml aerosol tight	0494060300	14000rpm/18472×g	6×1×5ml	1101050002
				6×1×10ml	1101050001

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube (aerosol tight)	0494071100	12000rpm/15712×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube (aerosol tight)	0494071200	12000rpm/15712×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml	1101070001/conical tube
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube (aerosol tight)	0494071300	11000rpm/13365×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube (aerosol tight)	0494071400	11000rpm/14041×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml	1101070001/conical tube
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	4×100ml (aerosol tight)	0494080700	11000rpm/13365×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml (aerosol tight)	0494080600	9000rpm/9771×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×8×0.2ml PCR strip	0494010700	13000rpm/14643×g	/	/
	24×2ml frozen storage tube	0494021500	15000rpm/23419×g	/	/

Refrigerated | High speed | Benchtop



# TGL-18

Order No.:0104050000

TGL-18 is a high speed refrigerated centrifuge runs up to 18000rpm. Although the centrifuge is compact ,it can runs up to 6x100ml. The centrifuge has good refrigeration system---imported compressor unit,PID dynamical temperature control. The centrifuge equipped with SHUKE RFID automatic rotor identification technology and imbalance detection by three axis gyroscope.

## We solve two core safety risks

**Risk one:Overspeed operation**

**Solution: Automatic rotor identification to prevent over speed operation**

### Automatic rotor identification by RFID

1. Static identification. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

**Risk two:Unbalanced operation**

**Solution: Imbalance detection in the whole operation process & automatically stop**

### Imbalance sensor:Three axis gyroscope

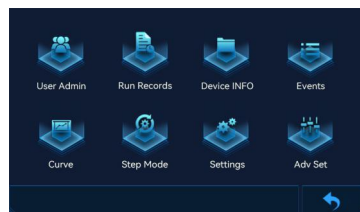
1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate



## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

Rotor	Acc/Dec	RPM/RCF	Time	Temp
001: 24x1.5ml	02/02	1001rpm	00:05:00	4°C
002: 24x1.5mL	01/01	8000rpm	00:05:00	4°C



Number	User Name	Level
001	Administrator	Admin
002	xxx	Superuser
003	11111	Operator



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvelly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module
- >Can set cooling stop time on door/standby

### Ensure safety

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
- >Rotors are autoclavable





## TECHNICAL DATA

Max Speed	18000rpm
Max RCF	29684xg
Max Capacity	6x100ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤56dB(A)
Voltage	220v/110v
Power Consumption	1200w
Dimension	420x520x360mm
Weight	56kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020300	18000rpm/22675×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494021200	17500rpm/29684×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml aerosol tight	0494021400	14500rpm/20356×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml aerosol tight	0494021300	12000rpm/15793×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	16×5ml aerosol tight	0494030600	15000rpm/21420×g	16×1×1.8ml frozen storage tube	1101020002
				16×1×2ml frozen storage tube	1101020004
				16×1×2ml	1101020001
	6×10ml aerosol tight	0494040500	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml aerosol tight	0494040600	14500rpm/19439×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube (aerosol tight)	0494050400	14000rpm/17333×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube (aerosol tight)	0494050500	11000rpm/13365×g	12×1×5ml	1101040001
				12×1×10ml	1101040002
	6×30ml (aerosol tight)	0494060300	14000rpm/18472×g	6×1×5ml	1101050002
				6×1×10ml	1101050001

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube (aerosol tight)	0494071100	12000rpm/15712×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube (aerosol tight)	0494071200	12000rpm/15712×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml	1101070001/conical tube
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube (aerosol tight)	0494071300	11000rpm/13365×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube (aerosol tight)	0494071400	11000rpm/14041×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml	1101070001/conical tube
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	4×100ml (aerosol tight)	0494080700	11000rpm/13365×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml (aerosol tight)	0494080600	9000rpm/9771×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×8×0.2ml PCR strip	0494010700	13000rpm/14643×g	/	/
	24×2ml frozen storage tube	0494021500	15000rpm/23419×g	/	/

Refrigerated | High speed | Benchtop



# TGL-20

Order No.:0104080000

TGL-20 is a high speed refrigerated centrifuge runs up to 20000rpm. Although the centrifuge is compact ,it can runs up to 6x100ml. The centrifuge has good refrigeration system---imported compressor unit,PID dynamical temperature control. The centrifuge equipped with SHUKE RFID automatic rotor identification technology and imbalance detection by three axis gyroscope.

## We solve two core safety risks

**Risk one:Overspeed operation**

**Solution: Automatic rotor identification to prevent over speed operation**

### Automatic rotor identification by RFID

1. Static identification. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

**Risk two:Unbalanced operation**

**Solution: Imbalance detection in the whole operation process & automatically stop**

### Imbalance sensor:Three axis gyroscope

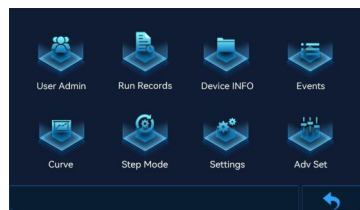
1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate



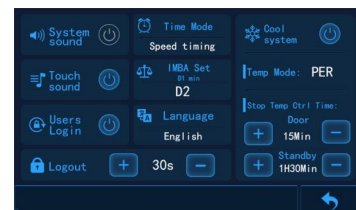
## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

Rotor	Acc/Dec	RPM/RCF	Time	Temp
001: 24x1.5ml	02/02	1001rpm	00:05:00	4°C
002: 24x1.5mL	01/01	8000rpm	00:05:00	4°C



Number	User Name	Level
001	Administrator	Admin
002	xxx	Superuser
003	11111	Operator



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvelly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module
- >Can set cooling stop time on door/standby

### Ensure safety

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	20000rpm
Max RCF	31405xg
Max Capacity	6x100ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤56dB(A)
Voltage	220v/110v
Power Consumption	1200w
Dimension	420x520x360mm
Weight	56kg


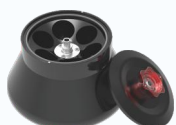


## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020300	20000rpm/27994×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494021200	18000rpm/31405×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml aerosol tight	0494021400	15000rpm/21784×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml aerosol tight	0494021300	12500rpm/17136×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	16×5ml aerosol tight	0494030600	15000rpm/21420×g	16×1×1.8ml frozen storage tube	1101020002
				16×1×2ml frozen storage tube	1101020004
				16×1×2ml	1101020001
	6×10ml aerosol tight	0494040500	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml aerosol tight	0494040600	15000rpm/20803×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube (aerosol tight)	0494050400	14000rpm/17333×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube (aerosol tight)	0494050500	11000rpm/13365×g	12×1×5ml	1101040001
				12×1×10ml	1101040002
	6×30ml (aerosol tight)	0494060300	14000rpm/18472×g	6×1×5ml	1101050002
				6×1×10ml	1101050001

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube (aerosol tight)	0494071100	12500rpm/17049×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube (aerosol tight)	0494071200	12500rpm/17049×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml	1101070001/conical tube
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube (aerosol tight)	0494071300	11000rpm/13365×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube (aerosol tight)	0494071400	11000rpm/14041×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml	1101070001/conical tube
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	4×100ml (aerosol tight)	0494080700	11000rpm/13365×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml (aerosol tight)	0494080600	9000rpm/9771×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×8×0.2ml PCR strip	0494010700	13000rpm/14643×g	/	/
	24×2ml frozen storage tube	0494021500	15000rpm/23419×g	/	/

Refrigerated | High speed | Benchtop



## TGL-22S

Order No.:0104130000

TGL-22S is a high speed refrigerated centrifuge runs up to 22000rpm. Although the centrifuge is compact ,it can runs up to 6x100ml. The centrifuge has good refrigeration system---imported compressor unit,PID dynamical temperature control. The centrifuge equipped with SHUKE RFID automatic rotor identification technology and imbalance detection by three axis gyroscope.

### We solve two core safety risks

**Risk one:Overspeed operation**

**Solution: Automatic rotor identification to prevent over speed operation**

#### Automatic rotor identification by RFID

1. Static identification. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

**Risk two:Unbalanced operation**

**Solution: Imbalance detection in the whole operation process & automatically stop**

#### Imbalance sensor:Three axis gyroscope

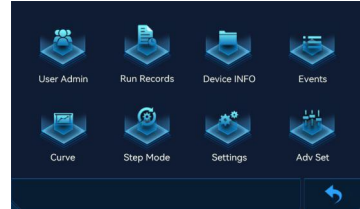
1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate



## LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

Rotor	Acc/Dec	RPM/RCF	Time	Temp
001: 24x1.5ml	02/02	1001rpm	00:05:00	4°C
002: 24x1.5mL	01/01	8000rpm	00:05:00	4°C



Number	User Name	Level
001	Administrator	Admin
002	xxx	Superuser
003	11111	Operator



## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration,speed downs curvelly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module
- >Can set cooling stop time on door/standby

### Ensure safety

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual


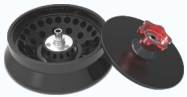




### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	22000rpm
Max RCF	33873xg
Max Capacity	6x100ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤56dB(A)
Voltage	220v/110v
Power Consumption	1200w
Dimension	420x520x360mm
Weight	56kg


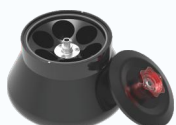


## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020300	22000rpm/33873×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494021200	18000rpm/31405×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml aerosol tight	0494021400	15000rpm/21784×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml aerosol tight	0494021300	13000rpm/18535×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	16×5ml aerosol tight	0494030600	15000rpm/21420×g	16×1×1.8ml frozen storage tube	1101020002
				16×1×2ml frozen storage tube	1101020004
				16×1×2ml	1101020001
	6×10ml aerosol tight	0494040500	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml aerosol tight	0494040600	15000rpm/20803×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube (aerosol tight)	0494050400	14000rpm/17333×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube (aerosol tight)	0494050500	12500rpm/17259×g	12×1×5ml	1101040001
				12×1×10ml	1101040002
	6×30ml (aerosol tight)	0494060300	14000rpm/18472×g	6×1×5ml	1101050002
				6×1×10ml	1101050001

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube (aerosol tight)	0494071100	13000rpm/18440×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube (aerosol tight)	0494071200	13000rpm/18440×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml	1101070001/conical tube
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube (aerosol tight)	0494071300	11000rpm/13365×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube (aerosol tight)	0494071400	11000rpm/14041×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml	1101070001/conical tube
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	4×100ml (aerosol tight)	0494080700	11000rpm/13365×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	6×100ml (aerosol tight)	0494080600	10000rpm/12063×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×8×0.2ml PCR strip	0494010700	13000rpm/14643×g	/	/
	24×2ml frozen storage tube	0494021500	15000rpm/23419×g	/	/

Refrigerated | High speed | Benchtop



Order No.:0104020000

# TGL-16

TGL-16 is a practical benchtop refrigerated centrifuge which can hold sample volume from 0.2mL-6x100ml. All steel body, LCD and LED dual screen display. Max speed can reach 16500rpm. This unit includes refrigeration with a temperature range from -20°C to +40°C.

## FEATURES

### User-friendly functions

- >12 user-defined programs
- >40 rates acceleration and deceleration
- >up to 99h59m timer range
- >RCF can be set directly.
- >LCD&LED screen show parameters simply and clearly
- >Water-proof touch key pad, each parameter has corresponding button to set
- >User can reset parameters when rotor is spinning

### Refrigeration

- >Good compressor unit
- >-20°C to +40°C, 1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Various protections to ensure safe centrifugation

### Good components

- >Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy rotor
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	16500rpm
Max RCF	24760xg
Max Capacity	6x100ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1m ~ 99h59m/Pulse
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	1200w
Dimension	420x625x370mm
Weight	53kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	16500rpm/19000×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16000rpm/24760×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	16000rpm/24760×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	36×1.5/2ml	0494020800	13000rpm/15620×g	36×1×0.2ml	1101010001
				36×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	12000rpm/15970×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	15000rpm/18270×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	6×10ml	0494040100	16000rpm/19070×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml	0494040200	13000rpm/15620×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube	0494050100	13000rpm/15620×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	11000rpm/12870×g	12×1×5ml	1101040001
				12×1×10ml	1101040002
	6×30ml	0494060100	13000rpm/15620×g	6×1×5ml	1101050002
				6×1×10ml	1101050001
	8×8×0.2ml PCR strip	0494010500	13000rpm/14640×g	/	/
	4×100ml	0494080100	11000rpm/12870×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	12000rpm/15970×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	12000rpm/15970×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml	1101070001/conical tube
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	11000rpm/12870×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	8×50ml conical tube	0494070500	11000rpm/12870×g	8×1×2ml	1101070003
				8×1×5ml	1101070004/conical tube 1101070005/round tube
				8×1×7ml	1101070012
				8×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				8×1×15ml	1101070001/conical tube
				8×1×25ml	1101070010
				8×1×50ml round tube	1101070002
	6×100ml	0494080200	9000rpm/9770×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube

Refrigerated | High speed | Benchtop



Order No.:0104010000

# TGL-16S

## FEATURES

### User-friendly functions

- >12 user-defined programs
- >40 rates acceleration and deceleration
- >up to 99h59m timer range
- >RCF can be set directly.
- >LCD&LED screen show parameters simply and clearly
- >Water-proof touch key pad,each parameter has corresponding button to set
- >User can reset parameters when rotor is spinning

### Refrigeration

- >Good compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Various protections to ensure safe centrifugation

### Good components

- >Motor: Bruhsless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy rotor
- >Rotors are autoclavable

## TECHNICAL DATA

Max Speed	16500rpm
Max RCF	21630xg
Max Capacity	12x10ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1m ~ 99h59m/Pulse
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	1200w
Dimension	420x625x370mm
Weight	53kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	16500rpm/19000×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	15000rpm/21630×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	48×1.5/2ml	0494020900	12000rpm/15970×g	48×1×0.2ml	1101010001
				48×1×0.5ml	1101010002
	12×5ml	0494030200	15000rpm/18270×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	12×10ml	0494040200	12000rpm/13310×g	12×1×2ml	1101030001
				12×1×5ml	1101030002

Refrigerated | High speed | Micro



Order No.:0104060000

# TGL-1850

## FEATURES



### Refrigeration

- > -10°C to +40°C, 1°C increment
- > ±1°C high temperature accuracy
- > CFC-free refrigerant
- > Temperature sensor inside the chamber
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With Fast Temp button
- > Can set cooling stop time on door/standby

### Features

- > Automatic rotor identification by RFID
- > Imbalance detection with automatic stop running
- > Compact design, light weight
- > Variable frequency motor, micro processor control
- > LCD touch screen for viewing and setting parameters
- > Motorized electronic self-priming lid lock
- > up to 1000 programs and 1000 run histories
- > up to 40 acceleration and deceleration rate
- > up to 7 stage multi-stage centrifugation mode available
- > Support short spin and continuous centrifugation



## TECHNICAL DATA

Model	TGL-1850	Speed Accuracy	±10rpm
Max Speed	14000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	18845xg	Noise	≤56dB(A)
Max Capacity	12x5ml	Power Consumption	400w
Temperature Range	-10°C ~ +40°C	Dimension	510x300x280mm
Temperature Accuracy	±1°C	Weight	29kg

## AVAILABLE ROTORS

No.1



Order No.:0494021100

Rotor: Fixed angle rotor  
Capacity: 24x1.5/2.2ml  
(aerosol tight)  
Max speed: 14000rpm  
Max RCF: 18845xg

Adaptor 24x0.2ml  
order No.: 1101010001  
Adaptor 24x0.5ml  
order No.: 1101010002

No.2



Order No.:0494010300

Rotor: Fixed angle rotor  
Capacity: 4x0.2ml PCR strip  
(aerosol tight)  
Max speed: 14000rpm  
Max RCF: 17091xg

No.3



Order No.:0494030500

Rotor: Fixed angle rotor  
Capacity: 12x5ml  
(aerosol tight)  
Max speed: 14000rpm  
Max RCF: 15930xg

Adaptor 12x1.5/2ml  
order No.: 1101020001

Refrigerated | High speed | Micro



# TGL-2150

Order No.:0104110000

## FEATURES



### Refrigeration

- > -10°C to +40°C, 1°C increment
- > ±1°C high temperature accuracy
- > CFC-free refrigerant
- > Temperature sensor inside the chamber
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With Fast Temp button
- > Can set cooling stop time on door/standby

### Features

- > Automatic rotor identification by RFID
- > Imbalance detection with automatic stop running
- > Compact design, light weight
- > Variable frequency motor, micro processor control
- > LCD touch screen for viewing and setting parameters
- > Motorized electronic self-priming lid lock
- > up to 1000 programs and 1000 run histories
- > up to 40 acceleration and deceleration rate
- > up to 7 stage multi-stage centrifugation mode available
- > Support short spin and continuous centrifugation



## TECHNICAL DATA

Model	TGL-2150	Speed Accuracy	±10rpm
Max Speed	15000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	21633xg	Noise	≤56dB(A)
Max Capacity	12x5ml	Power Consumption	400w
Temperature Range	-10°C ~ +40°C	Dimension	510x300x280mm
Temperature Accuracy	±1°C	Weight	29kg

## AVAILABLE ROTORS

No.1



Order No.:0494021100

Rotor: Fixed angle rotor  
Capacity: 24x1.5/2.2ml  
(aerosol tight)  
Max speed: 15000rpm  
Max RCF: 21633xg

Adaptor 24x0.2ml  
order No.: 1101010001  
Adaptor 24x0.5ml  
order No.: 1101010002

No.2



Order No.:0494010300

Rotor: Fixed angle rotor  
Capacity: 4x0.2ml PCR strip  
(aerosol tight)  
Max speed: 15000rpm  
Max RCF: 19620xg

No.3



Order No.:0494030500

Rotor: Fixed angle rotor  
Capacity: 12x5ml  
(aerosol tight)  
Max speed: 15000rpm  
Max RCF: 18287xg

Adaptor 12x1.5/2ml  
order No.: 1101020001

Ventilated | Low speed | Floorstanding



Order No.:0101310000

# DD-6000

The DD-6000 is a non-refrigerated large capacity floor standing centrifuge with intelligent LCD touch screen. It can spin volume from 1.5ml to 800ml tube/bottle, blood tube, microplate and RIA tube. For blood tube, it can run 140pcs at a time. There's a biosafety rotor which is compatible with 15ml, 50ml and blood tube. Running continuously for two hours, the chamber temperature rise is less than 8°C.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 100000 run histories
- > up to 40 rates acceleration and deceleration
- > up to 7 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > Support short spin and continuous centrifugation

### LCD touch screen

- > Simple and clear to show all parameters
- > Touch screen, easy to set parameters
- > RCF can be set directly
- > RPM and RCF convert automatically
- > User can set parameters even with gloves
- > User can reset parameters when rotor is spinning

### Ensure safety

- > Imbalance detection by three axis gyroscope
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinges to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation
- > With never be lost electronic instruction manual

### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: Food grade 304 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- > Rotors are autoclavable



## TECHNICAL DATA

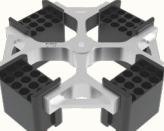
Max Speed	6000rpm
Max RCF	5201xg
Max Capacity	4x800ml
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	1100w
Dimension	680x620x840mm
Weight	120kg

# AVAILABLE ROTORS



Swing out rotor									
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor					
				Capacity	Order No.				
 <p>Order No.: 0495030720</p>	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	5000rpm/4650×g	4×1×5ml	1102020001				
				4×1×10ml	1102020002				
				4×1×15ml conical tube	1102020003				
				4×1×30ml	1102020004				
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	5000rpm/4650×g	4×1×10ml glass tube	1102020006				
				4×3×2ml	1102030010				
				4×4×2ml frozen storage tube	1102030009				
				4×1×5ml	1102030001				
				4×1×10ml	1102030002				
				4×1×15ml conical tube	1102030003				
				4×1×30ml	1102030004				
				4×1×50ml	1102030005/round tube 1102030006/conical tube				
				 <p>Order No.: 0495150520</p>	 <p>Capacity: 32×15ml Order No.: 0495031110</p>	0495031100	4000rpm/2980×g	32×1×2ml	1102010008
								32×1×2ml blood tube	1102010001
32×1×7ml blood tube	1102010002								
32×1×10ml blood tube	1102010003								
 <p>Capacity: 8×50ml Order No.: 0495030410</p>	0495030400	4000rpm/2980×g	8×1×5ml		1102020001				
			8×1×10ml		1102020002				
			8×1×10ml glass tube		1102020006				
			8×1×15ml conical tube		1102020003				
			8×1×30ml		1102020004				
			8×4×2ml frozen storage tube		1102030009				
 <p>Capacity: 8×100ml Order No.: 0495030610</p>	0495030600	4000rpm/2980×g	8×3×2ml		1102030010				
			8×1×5ml		1102030001				
			8×1×10ml		1102030002				
			8×1×15ml conical tube		1102030003				
			8×1×30ml		1102030004				
			8×1×50ml		1102030005/round tube 1102030006/conical tube				

## AVAILABLE ROTORS









Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×15ml	0494500300	6000rpm/5123×g	12×1×2ml	1102010001/blood tube 1102010008/micro tube
				12×1×7ml blood tube	1102010002
				12×1×10ml blood tube	1102010003
	6×50ml	0494500400	6000rpm/5123×g	6×1×5ml	1102020001
				6×1×10ml	1102020002
				6×1×10ml glass tube	1102020006
				6×1×15ml conical tube	1102020003
				6×1×30ml	1102020004

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2980×g	/	/
	Capacity: 64×2~7ml blood tube	0495180300	4000rpm/2980×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010200	4000rpm/1971×g	2×24×1.5/2ml	1102040001
	Capacity: 6×250ml	0495040600	4000rpm/3581×g	/	/

## AVAILABLE ROTORS

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×250ml	0495040800	5000rpm/5201×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006
	Capacity: 4×750ml	0495080100	4000rpm/3500×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
4×1×500ml	1102100006				
	Capacity: 4×800ml Note: No suitable bottle, must choose adaptor	0495090300	4000rpm/3581×g	4×68×2×2ml	0497990100
				4×30×2~7ml blood tube decap	0497010900
				4×35×2~7ml blood tube decap	0497010800
				4×24×10ml blood tube	1102110019
				4×14×15ml conical tube	1102110003
				4×7×50ml	1102110004
				4×4×100ml	1102110005
				4×1×250ml	1102110006
				4×1×500ml	1102110007

# AVAILABLE ROTORS

Swing out rotor								
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor				
				Capacity	Order No.			
 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>		0495060100 (without lid)	4000rpm/3221×g	4×18×2ml	1102070001			
				4×18×2ml frozen storage tube	1102070019			
				4×19×7ml blood tube	0497010200			
				4×14×10ml	1102070018			
				4×14×10ml blood tube	1102070007			
				4×9×15ml conical tube	0497010300			
				4×4×50ml conical tube	0497010400			
				4×2×100ml	1102070020			
				4×1×100ml	1102070005			
				4×1×250ml	1102070006			
 <p>Order No.: 0495180610</p>	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060200	4000rpm/3221×g	4×25×2ml	1102080001			
				4×25×2ml frozen storage tube	1102080015			
				4×22×5ml	1102080008			
				4×28×7ml blood tube	0497010100			
				4×20×10ml blood tube	1102080003			
				4×10×15ml conical tube	0497010500			
				4×6×30ml	1102080014			
				4×5×50ml conical tube	0497010600			
				4×2×100ml	1102080006			
				4×1×250ml	1102080007			
 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>		0495060300	4000rpm/3221×g	4×24×1.5/2ml	1102040001			
				 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>	0495180600	4000rpm/3221×g	/	/
							 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>	0495060900

Ventilated | Low speed | Floorstanding

# DD-4000



Order No.:0101250000

The DD-4000 is a non-refrigerated large capacity floor standing centrifuge with LCD and LED dual display. It has large capacity rotor up to 4x1000ml. Widely used in biological laboratories, clinical medicine, pharmaceutical factories and other fields, used for large-scale cell separation, blood separation and other work.

## FEATURES

### User-friendly functions

- >12 user-defined programs
- >40 rates acceleration and deceleration
- >1min to 99h59m timer range
- >LCD&LED screen show parameters simply and clearly
- >Water-proof touch key pad,each parameter has corresponding button to set
- >RCF can be set directly.RPM/RCF convert automatically
- >User can reset parameters when rotor is spinning

### Ensure safety

- >Imbalance detection by three axis gyroscope
- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Various protections to ensure safe centrifugation

### Good components

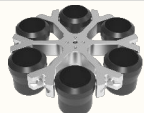

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 304 stainless steel. anticorrosion and easy to clean
- >Rotor: Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable



## TECHNICAL DATA

Model	DD-4000
Max Speed	4000rpm
Max RCF	3580xg
Max Capacity	4x1000ml
Speed Accuracy	±10rpm
Time Setting	1m-99h59m/Pulse
Noise	≤60dB(A)
Power Consumption	1100w
Dimension	700x600x880mm
Weight	128kg

## AVAILABLE ROTORS

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 6×250ml	0495040600	4000rpm/3581×g	/	/
	Capacity: 4×500ml	0495060100 (without lid) 0495061200 (with lid)	4000rpm/3221×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
	Capacity: 6×500ml	0495060700	3600rpm/3031×g	/	/
	Capacity: 4×1000ml	0495100100	3600rpm/3280×g	4×24×2ml	1102100011 1102100020/frozen storage tube
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×5×50ml conical tube	1102120001
				4×3×100ml	1102100004
				4×1×250ml	1102100005
				4×1×500ml	1102100006

Refrigerated | Low speed | Floorstanding

# LD-6M



Order No.:0105080000

Its high performance variable frequency motor and durable steel body make the LD-6M a reliable unit with a long service life. It has a large capacity 6L and maximum RCF of 6880 xg. The centrifuge can run 210 pcs blood tubes and 6 blood bags.

## FEATURES

### User-friendly functions

- >12 user-defined programs
- >40 rates acceleration and deceleration
- >up to 99h59m timer range
- >RCF can be set directly
- >LCD&LED screen show parameters simply and clearly
- >User can reset parameters when rotor is spinning
- >Can run 210 blood tubes at a time
- >Can run 6 blood bags at a time

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C, 1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin

### Ensure safety

- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Various protections to ensure safe centrifugation

### Good components

- >Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing-out rotor
- >Rotors are autoclavable

## TECHNICAL DATA

Model	LD-6M
Max Speed	6000rpm
Max RCF	6880xg
Max Capacity	6x1000ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1m ~ 99h59m/Pulse
Noise	≤65dB(A)
Voltage	220v/110v
Power Consumption	5000w
Dimension	850x730x930mm
Weight	255kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×500ml	0494110300	6000rpm/6880×g	6×7×10ml	1101110007
				6×4×15ml conical tube	1101110001
				6×3×50ml round tube	1101110002
				6×2×50ml conical tube	1101110003
				6×1×100ml	1101110004
				6×1×250ml	1101110005
Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 6×1000ml	0495100300	4500rpm/5880×g	6×24×2ml	1102100011 1102100020/frozen storage tube
				6×37×5ml RIA tube	1102100021
				6×24×7ml blood tube	1102100001
				6×18×10ml	1102100019
				6×14×15ml	1102100017/round tube 1102100002/conical tube
				6×8×30ml	1102100018
				6×5×50ml conical tube	1102120001
				6×3×100ml	1102100004
				6×1×250ml	1102100005
				6×1×500ml	1102100006
	Capacity: 6×800ml  Note: No suitable bottle, must choose adaptor	0495100400	4200rpm/5180×g	6×2×68×2ml	0497990100
				6×30×2~7ml	0497011600
				6×35×2~7ml	0497011500
				6×14×15ml	1102110003
				6×7×50ml	1102110004
				6×4×100ml	1102110005
				6×1×250ml	1102110006
				6×1×500ml	1102110007
	Capacity: 6×blood bag	0495100700	4500rpm/5880×g	/	/



Order No.:0103080000

Refrigerated | Low speed | Floorstanding

# LD-6

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 1000 run histories
- >up to 40 rates acceleration and deceleration, speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >User management with permission allocation.
- >LCD touch screen for viewing and setting parameters

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C , 1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy saving mode

### Ensure safety

- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

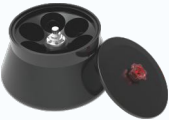
### Good components


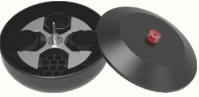

- >Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

Model	LD-6
Max Speed	6000rpm
Max RCF	6693xg
Max Capacity	4x1000ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1S ~ 99h59m59S
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	3000w
Dimension	800x700x830mm
Weight	180kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×500ml	0494110300	6000rpm/6693×g	6×7×10ml	1101110007
				6×4×15ml conical tube	1101110001
				6×3×50ml round tube	1101110002
				6×2×50ml conical tube	1101110003
				6×1×100ml	1101110004
				6×1×250ml	1101110005

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 6×500ml	0495060800	5000rpm/6121×g	/	/
	Capacity: 4×1000ml	0495100200	5000rpm/6319×g	4×24×2ml	1102100011 1102100020/frozen storage tube
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×5×50ml conical tube	1102120001
				4×3×100ml	1102100004
				4×1×250ml	1102100005
				4×1×500ml	1102100006
	Capacity: 4×blood bag	0012220200	5000rpm/6319×g	/	/

Refrigerated | Low speed | Floorstanding



Order No.:0105070000

# LD-5M

LD-5M floor standing refrigerated centrifuge can be widely used in pharmaceutical factories, blood banks, biochemistry, biological products production company and scientific research enterprises. It has large capacity 4x800ml bottles, can be equipped with various volumes of swing out rotors, micro plate rotors and blood tube rotors.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 100000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration, speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- > up to 7 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > Support short spin and continuous centrifugation
- > LCD touch screen for viewing and setting parameters

### Ensure safety

- > Imbalance detection by three axis gyroscope
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinges to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation
- > With never be lost electronic instruction manual

### Refrigeration

- > High quality compressor unit
- > -20°C to +40°C, 1°C increment
- > ±1°C high temperature accuracy
- > CFC-free refrigerant
- > PID dynamic temperature control
- > Temperature sensor inside the chamber
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With ECO energy-saving module








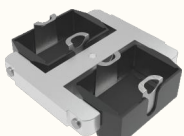
### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- > Rotor: Steel/Stainless steel swing out rotor.
- > Rotors are autoclavable

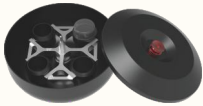

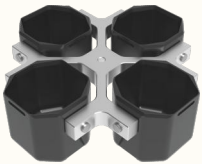
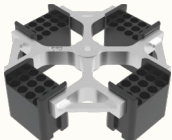
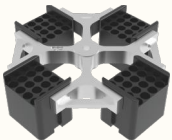
## TECHNICAL DATA

Max Speed	5000rpm
Max RCF	5200xg
Max Capacity	4x800ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	1800w
Dimension	680x620x840mm
Weight	136kg











# AVAILABLE ROTORS

Swing out rotor									
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor					
				Capacity	Order No.				
 <p>Order No.: 0495030720</p>	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	5000rpm/4650×g	4×1×5ml	1102020001				
				4×1×10ml	1102020002				
				4×1×15ml conical tube	1102020003				
				4×1×30ml	1102020004				
				4×1×10ml glass tube	1102020006				
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	5000rpm/4650×g	4×3×2ml	1102030010				
				4×4×2ml frozen storage tube	1102030009				
				4×1×5ml	1102030001				
				4×1×10ml	1102030002				
				4×1×15ml conical tube	1102030003				
				4×1×30ml	1102030004				
				4×1×50ml	1102030005/round tube 1102030006/conical tube				
				 <p>Order No.: 0495150520</p>	 <p>Capacity: 32×15ml Order No.: 0495031110</p>	0495031100	4000rpm/2980×g	32×1×2ml	1102010008
								32×1×2ml blood tube	1102010001
32×1×7ml blood tube	1102010002								
32×1×10ml blood tube	1102010003								
 <p>Capacity: 8×50ml Order No.: 0495030410</p>	0495030400	4000rpm/2980×g	8×1×5ml		1102020001				
			8×1×10ml		1102020002				
			8×1×10ml glass tube		1102020006				
			8×1×15ml conical tube		1102020003				
			8×1×30ml		1102020004				
			8×4×2ml frozen storage tube		1102030009				
 <p>Capacity: 8×100ml Order No.: 0495030610</p>	0495030600	4000rpm/2980×g	8×3×2ml		1102030010				
			8×1×5ml		1102030001				
			8×1×10ml		1102030002				
			8×1×15ml conical tube		1102030003				
			8×1×30ml		1102030004				
			8×1×50ml		1102030005/round tube 1102030006/conical tube				
					<p>Capacity: 2×3×96 well (micro plate)</p>	0495010200	4000rpm/1970×g	2×24×1.5/2ml	1102040001

## AVAILABLE ROTORS

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×250ml	0495040800	5000rpm/5201×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
4×1×100ml	1102050006				
	Capacity: 4×750ml	0495080100	4000rpm/3500×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
4×1×500ml	1102100006				
	Capacity: 4×800ml	0495090300	4000rpm/3581×g	4×68×2×2ml	0497990100
	Note: No suitable bottle, must choose adaptor			4×30×2~7ml blood tube decap	0497010900
				4×35×2~7ml blood tube decap	0497010800
				4×24×10ml blood tube	1102110019
				4×14×15ml conical tube	1102110003
				4×7×50ml	1102110004
				4×4×100ml	1102110005
				4×1×250ml	1102110006
				4×1×500ml	1102110007
	Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2980×g	/	/
	Capacity: 64×2~7ml blood tube	0495180300	4000rpm/2980×g	/	/

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>		0495060100 (without lid)	4200rpm/3550×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×5ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
 <p>Order No.: 0495180610</p>	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060200	4200rpm/3550×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×5ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>		0495060300	4200rpm/3550×g	4×24×1.5/2ml	1102040001
 <p>Capacity: 96×2~7ml (blood tube) Order No.: 0495180720</p>		0495180600	4200rpm/3550×g	/	/
 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>		0495060900	4200rpm/3550×g	/	/



Refrigerated | Low speed | Floorstanding

# LD-8M

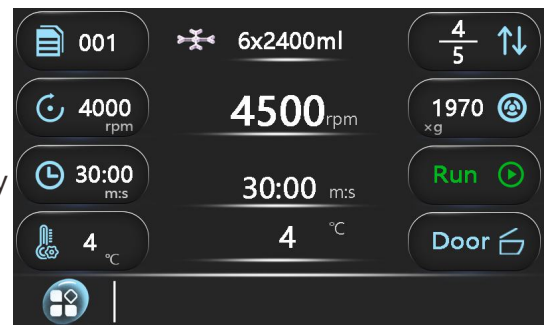
Order No.:0105100000

LD-8M is large capacity refrigerated centrifuge with max capacity 6x2000ml,can run 12 blood bags or 384pcs blood tubes at a time. LCD touch screen for viewing and setting parameters,SHUKE 3.0 version operation system has more functions.

## FEATURES

### LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly;RCF and RPM convert automatically
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning



CHOICE	USER	PASSWORD	OPERATION PERMISSION

A	Modify Sys Time	F	Import Data
B	Modify Sys Settings	G	Modify Program
C	User Management	H	Call Program
D	View Records	I	Operating equipment
E	Export Parameters	J	All Permissions

RECORD TIME	ROTOR	SPEED	TIME	TEMP	ACC/DEC	NO.

ERROR	CODE	TIME	ERROR	CODE	TIME

### User-friendly functions

- >up to 1000 user-defined programs, with password protection
- >up to 100000 run histories
- >up to 40 rates acceleration and deceleration
- >up to 5 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations
- >Can run 12 blood bags at a time
- >Can run 384pcs blood bags at a time

### Ensure safety

- >Motorized electronic self-priming door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >Various protections to ensure safe centrifugation

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

### Multi-level permission assignment

Freely set management permissions according to needs, which is convenient for user management; users can use the device through passwords and electronic identification cards.

### Multifunctional operating system

Microprocessor control. Precisely control various parameters through PID adjustment to realize electronic records and electronic signature.

## TECHNICAL DATA

Max Speed	8000rpm
Max RCF	14500xg
Max Capacity	6x2000ml/12xblood bag/384pcs blood tube
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±20rpm
Time Setting	1s~ 99h59m59s
Noise	≤65dB(A)
Power Consumption	7500w
Dimension	960x880x950mm
Weight	471kg
Power supply	380V 50Hz 30A/220V 50Hz 20A

## AVAILABLE ROTORS

 <p>Order No.:0495120100</p> <p>Rotor: Swing out rotor Capacity: 6×2000ml Max speed: 4500rpm Max RCF: 7095×g</p>	 <p>Order No.:0495200100</p> <p>Rotor: Swing out rotor Capacity: 12xblood bag Max speed: 4500rpm Max RCF: 7095×g</p>	 <p>Order No.:0494120300</p> <p>Rotor: Fixed angle rotor Capacity: 6×1000ml Max speed: 8000rpm Max RCF: 14500×g Tube size: Φ97×166mm</p>	 <p>Order No.:0494110200</p> <p>Rotor: Fixed angle rotor Capacity: 6×500ml Max speed: 8000rpm Max RCF: 11860×g Tube size: Φ74×170mm</p>	 <p>Order No.:0495200200</p> <p>Rotor: Swing out rotor Capacity: 384pcs blood tube (available 162×15ml/60×50ml adapter) Max speed: 4000rpm Max RCF: 4710×g Tube size: Φ13×75~100mm</p>
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Refrigerated | High speed | Floorstanding



Order No.:0104200000

# LG-18

The LG-18 is a multipurpose floor standing high speed refrigerated centrifuge with intelligent LCD touch screen. Equipped with RFID rotor identification technology and three-axis gyroscope real-time monitoring technology. It can spin up to 18000rpm/31405xg, 15 rotors for choice to meet different centrifugal needs.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 100000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration, speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- > up to 7 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > Support short spin and continuous centrifugation
- > LCD touch screen for viewing and setting parameters

### Refrigeration

- > High quality compressor unit
- > -20°C to +40°C, 1°C increment
- > ±1°C high temperature accuracy
- > CFC-free refrigerant
- > PID dynamic temperature control
- > Temperature sensor inside the chamber
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With ECO energy-saving module

### Ensure safety

- > RFID automatic rotor identification
- > Imbalance detection by three axis gyroscope
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinges to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation
- > With never be lost electronic instruction manual


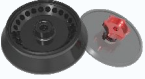





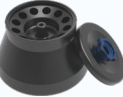
### Good components

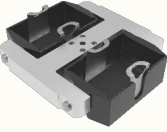
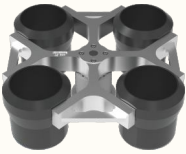
- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 316 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angel rotor; Aluminum alloy/Stainless steel swing out rotor.
- > Rotors are autoclavable

## TECHNICAL DATA

Max Speed	18000rpm
Max RCF	31405xg
Max Capacity	4x250ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	1800w
Dimension	680x620x840mm
Weight	134kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	18000rpm/22675×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16000rpm/24814×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	18000rpm/31405×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	12×5ml	0494030200	16000rpm/20807×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	6×10ml	0494040100	16000rpm/19004×g	6×1×2ml	1101030001
				6×1×5ml	1101030002
	12×10ml	0494040200	15000rpm/20803×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	8×15ml conical tube	0494050100	14000rpm/17333×g	8×1×5ml	1101040001
				8×1×10ml	1101040002
	12×15ml conical tube	0494050200	12000rpm/15906×g	12×1×5ml	1101040001
				12×1×10ml	1101040002

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 2×3×96 well (micro plate)	0495010300	4000rpm/2003×g	2×24×1.5/2ml	1102040001
	Capacity: 4×250ml	0495040200	45000rpm/3735×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×50ml round tube	0494070100	13000rpm/18440×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	13000rpm/18440×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml	1101070001/conical tube
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	10000rpm/11045×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	4×100ml	0494080100	10000rpm/11045×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	12×50ml conical tube	0494070700	10000rpm/14310×g	12×1×2ml	1101070003
				12×1×5ml	1101070004/conical tube 1101070005/round tube
				12×1×7ml	1101070012
				12×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				12×1×15ml	1101070001/conical tube
				12×1×25ml	1101070010
				12×1×50ml round tube	1101070002

Refrigerated | High speed | Floorstanding



Order No.:0104230000

# LG-22

The LG-22 is a multipurpose floor standing high speed refrigerated centrifuge with intelligent LCD touch screen. Equipped with RFID rotor identification technology and three-axis gyroscope real-time monitoring technology. It can spin up to 22000rpm/33873xg, swing out rotors and fixed angle rotors for choice to meet different centrifugal needs.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 100000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration, speed downs curvily slowly from 600rpm to 0rpm to prevent samples shake
- > up to 7 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > Support short spin and continuous centrifugation
- > LCD touch screen for viewing and setting parameters

### Refrigeration

- > High quality compressor unit
- > -20°C to +40°C, 1°C increment
- > ±1°C high temperature accuracy
- > CFC-free refrigerant
- > PID dynamic temperature control
- > Temperature sensor inside the chamber
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With ECO energy-saving module

### Ensure safety

- > RFID automatic rotor identification
- > Imbalance detection by three axis gyroscope
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinges to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation
- > With never be lost electronic instruction manual

### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 316 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angel rotor; Aluminum alloy/Stainless steel swing out rotor.
- > Rotors are autoclavable

## TECHNICAL DATA

Max Speed	22000rpm
Max RCF	33873xg
Max Capacity	4x750ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	1800w
Dimension	680x620x840mm
Weight	134kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×1.5/2ml	0494020200	22000rpm/33873×g	12×1×0.2ml	1101010001
				12×1×0.5ml	1101010002
	24×1.5/2ml	0494020600	16500rpm/26389×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	24×1.5/2ml aerosol tight	0494020500	18000rpm/31405×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	12×5ml	0494030200	17000rpm/23489×g	12×1×1.8ml frozen storage tube	1101020002
				12×1×2ml frozen storage tube	1101020004
				12×1×2ml	1101020001
	12×10ml	0494040200	15000rpm/20803×g	12×1×2ml	1101030001
				12×1×5ml	1101030002
	12×15ml conical tube	0494050200	13000rpm/18667×g	12×1×5ml	1101040001
				12×1×10ml	1101040002
	6×50ml round tube	0494070100	13000rpm/18440×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	6×50ml conical tube	0494070200	13000rpm/18440×g	6×1×2ml	1101070003
				6×1×5ml	1101070004/conical tube 1101070005/round tube
				6×1×7ml	1101070012
				6×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				6×1×15ml	1101070001/conical tube
				6×1×25ml	1101070010
				6×1×50ml round tube	1101070002
	8×50ml round tube	0494070400	11000rpm/13365×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	4×100ml	0494080100	11000rpm/13365×g	4×1×5ml	1101080007
				4×1×10ml	1101080001
				4×1×15ml conical tube	1101080002
				4×1×30ml	1101080003
				4×1×50ml	1101080005/conical tube 1101080004/round tube
	12×50ml conical tube	0494070700	10000rpm/14310×g	12×1×2ml	1101070003
				12×1×5ml	1101070004/conical tube 1101070005/round tube
				12×1×7ml	1101070012
				12×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				12×1×15ml	1101070001/conical tube
				12×1×25ml	1101070010
				12×1×50ml round tube	1101070002

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 2×3×96 well (micro plate)	0495010300	4000rpm/2003×g	2×24×1.5/2ml	1102040001
	Capacity: 4×250ml	0495040200	45000rpm/3735×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006

## AVAILABLE ROTORS

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×500ml	0495060400 (without lid) 0495061300 (with lid)	4200rpm/3551×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×7ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
	Capacity: 4×750ml	0495080300	4000rpm/3500×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
				4×1×500ml	1102100006

Refrigerated | High speed | Floorstanding



Order No.:0105110000

# LG-10M

The LG-10M is a floor standing high speed refrigerated centrifuge with intelligent LCD touch screen, the max capacity is up to 6x1000ml, which is popular in vaccine production, large-capacity fermentation products, cell culture, etc.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 100000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration
- > up to 7 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > LCD touch screen for viewing and setting parameters
- > Support short spin and continuous centrifugation
- > Automatic door open without manual lifting
- > Automatic rotor lock, without using any tools.

### Ensure safety

- > Automatic rotor recognition to prevent overspeed
- > Motorized electronic self-priming door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinges to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation
- > User management by password, with permission allocation

### Refrigeration

- > High quality compressor unit
- > -20°C to +40°C, 1°C increment
- > ±1°C high temperature accuracy
- > CFC-free refrigerant
- > PID dynamic temperature control
- > Temperature sensor inside the chamber
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With ECO energy-saving module

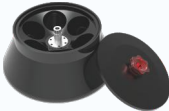


### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 316 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angle rotor
- > Rotors are autoclavable

## TECHNICAL DATA

Model	LG-10M
Max Speed	10000rpm
Max RCF	18590xg
Max Capacity	6x1000ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤65dB(A)
Voltage	220v/110v
Power Consumption	5500w
Dimension	740x720x900mm
Weight	250kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×250ml	0494090200	10000rpm/16750×g	6×4×15ml conical tube	1101090004
				6×1×50ml	1101100002/conical tube 1101100001/round tube
				6×1×100ml	1101100003
	6×500ml	0494110100	10000rpm/18590×g	6×7×10ml	1101110007
				6×4×15ml conical tube	1101110001
				6×3×50ml round tube	1101110002
				6×2×50ml conical tube	1101110003
				6×1×100ml	1101110004
				6×1×250ml	1101110005
	6×1000ml	0494120200	8000rpm/15190×g	6×1×250ml	1101120001
				6×1×500ml	1101120002

Refrigerated | High speed | Floorstanding

# LG-16M



Order No.:0105130000

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >LCD touch screen for viewing and setting parameters
- >Support short spin and continuous centrifugation
- >Automatic door open without manual lifting
- >Automatic rotor lock, without using any tools.

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Motorized electronic self-priming door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >Various protections to ensure safe centrifugation
- >User management by password, with permission allocation

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

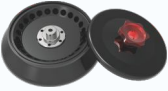
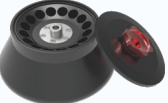



### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor
- >Rotors are autoclavable

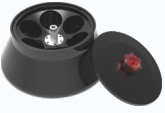
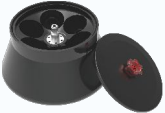
## TECHNICAL DATA


Model	LG-16M
Max Speed	16000rpm
Max RCF	27520xg
Max Capacity	6x500ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤65dB(A)
Voltage	220v/110v
Power Consumption	5000w
Dimension	740x720x900mm
Weight	250kg

## AVAILABLE ROTORS

Rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	24×1.5/2ml	0494020700	16000rpm/25520×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	16×10ml	0494040300	16000rpm/27500×g	16×1×2ml	1101030001
				16×1×5ml	1101030002
	6×50ml round tube	0494070900	16000rpm/27520×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	8×50ml round tube	0494070600	14000rpm/23270×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	6×100ml	0494080300	14000rpm/23600×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube

## AVAILABLE ROTORS

Rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×250ml	0494090200	10000rpm/16750×g	6×4×15ml	1101090004
				6×1×50ml	1101100002/conical tube 1101100001/round tube
				6×1×100ml	1101100003
	6×500ml	0494110100	8000rpm/11860×g	6×7×10ml	1101110007
				6×4×15ml conical tube	1101110001
				6×3×50ml	1101110002
				6×2×50ml conical tube	1101110003
				6×1×100ml	1101110004
				6×1×250ml	1101110005

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×750ml	0495080200	4000rpm/3500×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
				4×1×500ml	1102100006

Refrigerated | High speed | Floorstanding

# LG-21M



Order No.:0105160000

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >LCD touch screen for viewing and setting parameters
- >Support short spin and continuous centrifugation
- >Automatic door open without manual lifting
- >Automatic rotor lock, without using any tools.

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Motorized electronic self-priming door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >Various protections to ensure safe centrifugation
- >User management by password, with permission allocation

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor
- >Rotors are autoclavable

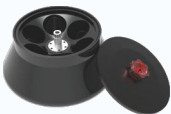
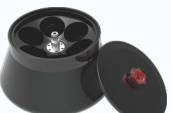
## TECHNICAL DATA


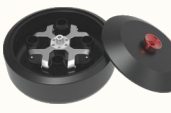
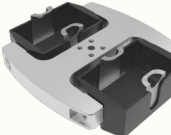
Model	LG-21M
Max Speed	21000rpm
Max RCF	47400xg
Max Capacity	6x500ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤65dB(A)
Voltage	220v/110v
Power Consumption	5000w
Dimension	740x720x900mm
Weight	250kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	24×1.5/2ml	0494020700	21000rpm/43960×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	16×10ml	0494040300	21000rpm/47400×g	16×1×2ml	1101030001
				16×1×5ml	1101030002
	6×50ml round tube	0494070900	20000rpm/44800×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	8×50ml round tube	0494070600	18000rpm/38460×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	6×100ml	0494080300	16000rpm/30910×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×100ml	0494080400	12000rpm/19830×g	8×1×5ml	1101080007
				8×1×10ml	1101080001
				8×1×15ml conical tube	1101080002
				8×1×30ml	1101080003
				8×1×50ml	1101080005/conical tube 1101080004/round tube
	4×250ml	0494090400	14000rpm/28150×g	4×4×15ml	1101090004
				4×1×50ml	1101100002/conical tube 1101100001/round tube
				4×1×100ml	1101100003

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×250ml	0494090200	12000rpm/24110×g	6×4×15ml	1101090004
				6×1×50ml	1101100002/conical tube 1101100001/round tube
				6×1×100ml	1101100003
	6×500ml	0494110100	10000rpm/18590×g	6×7×10ml	1101110007
				6×4×15ml conical tube	1101110001
				6×3×50ml	1101110002
				6×2×50ml conical tube	1101110003
				6×1×100ml	1101110004
				6×1×250ml	1101110005

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×4×5ml	0495130300	12000rpm/11900×g	/	/
	Capacity: 4×30ml	0495130100	13000rpm/23800×g	/	/
	Capacity: 4×50ml	0495130200	10000rpm/16200×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010400	4000rpm/1970×g	2×24×1.5/2ml	1102040001



Order No.:0105170000

Refrigerated | High speed | Floorstanding

# LG-22M

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories,can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >LCD touch screen for viewing and setting parameters
- >Support short spin and continuous centrifugation
- >Automatic door open without manual lifting
- >Automatic rotor lock, without using any tools.

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Motorized electronic self-priming door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >Various protections to ensure safe centrifugation
- >User management by password, with permission allocation

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

### Good components

- >Motor: Brushless variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Strong metal
- >Rotors are autoclavable

### Multi-level permission assignment

Freely set management permissions according to needs, which is convenient for user management; users can use the device through passwords and electronic identification cards.

### Multifunctional operating system

Microprocessor control. Precisely control various parameters through PID adjustment to realize electronic records and electronic signature.

## TECHNICAL DATA


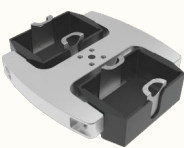
Max Speed	LG-22M	Time Setting	1s ~ 99h59m59s
Max RCF	22000rpm	Noise	≤65dB(A)
Max Capacity	52050xg	Voltage	220v/110v
Temperature Range	6x1000ml	Power Consumption	5000w
Temperature Accuracy	-20°C ~ +40°C	Dimension	740x720x900mm
Speed Accuracy	±10rpm	Weight	250kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	24×1.5/2ml	0494020700	21000rpm/45754×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	16×10ml	0494040300	22000rpm/52050×g	16×1×2ml	1101030001
				16×1×5ml	1101030002
	6×50ml round tube	0494070900	20000rpm/44800×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	8×50ml round tube	0494070600	18000rpm/38460×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	6×100ml	0494080300	16000rpm/30910×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×100ml	0494080400	12000rpm/19830×g	8×1×5ml	1101080007
				8×1×10ml	1101080001
				8×1×15ml conical tube	1101080002
				8×1×30ml	1101080003
				8×1×50ml	1101080005/conical tube 1101080004/round tube
	4×250ml	0494090400	14000rpm/28150×g	6×4×15ml	1101090004
				6×1×50ml	1101100002/conical tube 1101100001/round tube
				6×1×100ml	1101100003

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×250ml	0494090200	12000rpm/24110×g	6×4×15ml	1101090004
				6×1×50ml	1101100002/conical tube 1101100001/round tube
				6×1×100ml	1101100003
	6×500ml	0494110100	10000rpm/18590×g	6×7×10ml	1101110007
				6×4×15ml conical tube	1101110001
				6×3×50ml	1101110002
				6×2×50ml conical tube	1101110003
				6×1×100ml	1101110004
				6×1×250ml	1101110005
	6×1000ml	0494120200	7000rpm/11630×g	6×1×250ml	1101120001
				6×1×500ml	1101120002

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×50ml	0495130200	10000rpm/16200×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495040500	4000rpm/1970×g	2×24×1.5/2ml	1102040001

Refrigerated | High speed | Floorstanding



## LG-25M

Order No.:0105200000

LG-25M is a high capacity centrifuge which can run 6L at a time, fixed angle rotor can accommodate 6x1000ml capacity at most. The centrifuge can run 25000rpm, and temperature range is from -20°C to +40°C.

## FEATURES

### User-friendly functions

- > up to 1000 user-defined programs
- > up to 100000 run histories, can be exported via USB
- > up to 40 rates acceleration and deceleration
- > up to 7 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > LCD touch screen for viewing and setting parameters
- > Support short spin and continuous centrifugation
- > Automatic door open without manual lifting
- > Automatic rotor lock, without using any tools.

### Ensure safety

- > Automatic rotor recognition to prevent overspeed
- > Motorized electronic self-priming door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinges to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation
- > User management by password, with permission allocation

### Refrigeration

- > High quality compressor unit
- > -20°C to +40°C, 1°C increment
- > ±1°C high temperature accuracy
- > CFC-free refrigerant
- > PID dynamic temperature control
- > Temperature sensor inside the chamber
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With ECO energy-saving module

### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- > Rotor: Strong metal
- > Rotors are autoclavable

### Multi-level permission assignment

Freely set management permissions according to needs, which is convenient for user management; users can use the device through passwords and electronic identification cards.


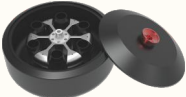
### Multifunctional operating system

Microprocessor control. Precisely control various parameters through PID adjustment to realize electronic records and electronic signature.






## TECHNICAL DATA

Max Speed	25000rpm
Max RCF	65000xg
Max Capacity	6x1000ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤65dB(A)
Voltage	220v/110v
Power Consumption	5000w
Dimension	740x720x900mm
Weight	250kg

## AVAILABLE ROTORS

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×750ml	0495080200	5000rpm/5600×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
				4×1×500ml	1102100006
	Capacity: 6×50ml	0495130400	10000rpm/15680×g	/	/

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	24×1.5/2ml	0494020700	25000rpm/64800×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	16×10ml	0494040300	23000rpm/56880×g	16×1×2ml	1101030001
				16×1×5ml	1101030002
	16×10ml titanium alloy	0494040700	24600rpm/65000×g	16×1×2ml	1101030001
				16×1×5ml	1101030002
	16×15ml conical tube	0494050300	18000rpm/41660×g	16×1×5ml	1101040001
				16×1×10ml	1101040002
	8×50ml round tube	0494070600	21000rpm/52360×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	12×50ml conical tube	0494070800	14000rpm/31335×g	12×1×2ml	1101070003
				12×1×5ml	1101070004/conical tube 1101070005/round tube
				12×1×7ml	1101070012
				12×1×10ml	1101070006/glass tube 1101070007/conical tube 1101070008/round tube
				12×1×15ml	1101070001/conical tube
				12×1×25ml	1101070010
				12×1×50ml round tube	1101070002
	6×250ml	0494090200	14000rpm/32825×g	6×4×15ml	1101090004
				6×1×50ml	1101100002/conical tube 1101100001/round tube
				6×1×100ml	1101100003
	6×500ml	0494110100	10000rpm/18590×g	6×7×10ml	1101110007
				6×4×15ml conical tube	1101110001
				6×3×50ml	1101110002
				6×2×50ml conical tube	1101110003
				6×1×100ml	1101110004
				6×1×250ml	1101110005
	6×1000ml	0494120200	8000rpm/15190×g	6×1×250ml	1101120001
				6×1×500ml	1101120002



Order No.:0101290000(ordinary)  
Order No.:0101300000(biosafety)

## Blood tube automatic decap centrifuge

# DD-5G (Biosafety/Ordinary)

The DD-5G automatic decap centrifuge ,equipped with blood tube automatic decap design,solves the problem of manual cap removal and sample remixing. It is an essential instrument for blood centrifugation in medical units.

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories
- >up to 40 rates acceleration and deceleration
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation

### LCD touch screen

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

### Ensure safety

- >Imbalance detection by three axis gyroscope
- >Electronic lid lock, controlled by independent motor
- >Lid can only be opened when completely stop running
- >Gas hinges support the lid
- >Port in the lid for calibration and operation checking
- >Emergency lid-lock release
- >Password to lock the device
- >Various protections to ensure safe centrifugation

### Good components

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: Food grade 304 stainless steel. anticorrosion and easy to clean
- >Rotor: Stainless steel swing out rotor.
- >Rotors are autoclavable

### Features of Biosafety type

- >With a unique primary,medium and high efficiency filtration system,it can filter out the harmful gas generated after decap in time, efficiently avoid cross-infection of samples and reducing the risk of infection for operators
- >With UV sterilization function, independent switch control.

## TECHNICAL DATA

Max Speed	5000rpm
Max RCF	5201xg
Max Capacity	140pcs blood tubes
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤60dB(A)
Power Consumption	1100w
Dimension	680x620x840mm
Weight	120kg

## Principle of decap>>



**1** After putting down the tubes, there will be a gap between bottom of tubes and bottom of adapter.



**2** Blood tubes will down to the bottom of adapter because of centrifugal force, but caps of blood tubes cannot down to the bottom since they are bigger than holes of adapter, so the caps are separated from tubes.




**3** After centrifugation, take out the uppermost part of adapter.



**4** Empty out the caps.

## AVAILABLE ROTORS

Rotor	No.1 Swing out rotor	No.2 Decap rotor	No.3 Decap rotor	No.4 Decap rotor
Picture	 <p>Order No.:0495040800</p>	 <p>Order No.:0495070100</p>	 <p>Order No.:0495090200</p>	 <p>Order No.:0495090100</p>
Capacity	4×250ml	80×2~7ml	120×2~7ml	140×2~7ml
Max Speed	5000r/min	4000r/min	4000r/min	4000r/min
Max RCF	5201×g	3400×g	3581×g	3581×g



Order No.:0103070000

## Blood tube automatic decap centrifuge

# LD-5G

## FEATURES

### User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories, can be exported as PDF file
- >up to 40 rates acceleration and deceleration, speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >LCD touch screen for viewing and setting parameters

### Ensure safety

- >Imbalance detection by three axis gyroscope
- >Electronic lid lock, controlled by independent motor
- >Lid can only be opened when completely stop running
- >Hydraulic rods support the lid
- >Port in the lid for calibration and operation checking
- >Emergency lid-lock release
- >Password to lock the device
- >Various protections to ensure safe centrifugation

### Refrigeration

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin

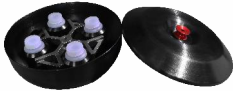


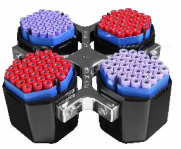
### Good components

- >Motor: Variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: Food grade 304 stainless steel. anticorrosion and easy to clean
- >Rotor: Stainless steel swing out rotor.
- >Rotors are autoclavable

## TECHNICAL DATA

Model	LD-5G	Speed Accuracy	±10rpm
Max Speed	5000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	5200xg	Noise	≤60dB(A)
Max Capacity	140pcs blood tubes	Power Consumption	1800w
Temperature Range	-20°C ~ +40°C	Dimension	680x620x840mm
Temperature Accuracy	±1°C	Weight	136kg

## AVAILABLE ROTORS

Rotor	No.1 Swing out rotor	No.2 Decap rotor	No.3 Decap rotor	No.4 Decap rotor
Picture	 Order No.:0495040800	 Order No.:0495070100	 Order No.:0495090200	 Order No.:0495090100
Capacity	4×250ml	80×2~7ml	120×2~7ml	140×2~7ml
Max Speed	5000r/min	4000r/min	4000r/min	4000r/min
Max RCF	5201×g	3400×g	3581×g	3581×g

## Hematocrit centrifuge

# TG-12




Order No.:010101200

## Features

- >TG-12 is for testing hematocrit
- >Brushless motor. Rapid acceleration and deceleration
- >Electronic lid lock. Cannot open lid when rotor is spinning
- >Microprocessor control. High quality steel housing. Stainless steel chamber
- >LED display important parameters in real time and real values

## TECHNICAL DATA

Model	TG-12
Max Speed	12000rpm
Max RCF	15800xg
Capacity	24pcs capillary tube
Timer range	0-99m59s
Speed accuracy	±20rpm
RCF and PRM convert function	Yes
Min. Speed Change	10 kinds
Noise	≤55dB(A)
Power Supply	AC 110V/220V 50HZ/60HZ
Dimension	355x270x205mm
Weight	13kg

Rotor	Max speed	Max capacity	Max RCF
 <p>Order No.:1000240017</p>	12000rpm	24pcs capillary tube	15800xg

## Cyto centrifuge



Order No.:0101050000

# TD-4M

## Features

- >LED screen shows RPM/RCF and Time
- >RCF can be set directly
- >1min to 99min timer range
- >User can reset parameters when rotor is spinning
- >Variable frequency motor drive, microprocessor control
- >Electronic lid lock to ensure safety
- >Steel housing;304 stainless steel chamber
- >Dual drainage channels to prevent water accumulation

## TECHNICAL DATA

Model	TD-4M	Time Setting	1min ~ 99min
Max Speed	4000rpm	Noise	≤60dB(A)
Max RCF	2170xg	Power Consumption	200w
Max Capacity	10pcs slide glass	Dimension	440x340x290mm
Speed Accuracy	±20rpm	Weight	17kg

## AVAILABLE ROTORS

### No.1



Order No.:0495170100  
 Rotor: Swing out rotor  
 Capacity: 6x9ml  
 Max speed: 4000rpm  
 Max capacity: 2170xg

## Cell wash centrifuge

# TD-4B



Order No.:0101040000

## Features

- >LED screen shows RPM/RCF and Time
- >Acceleration and deceleration only need 7 seconds
- >Standard centrifugal program for HLA rotor and SERO rotor
- >Variable frequency motor drive, microprocessor control
- >Electronic lid lock to ensure safety
- >Steel housing;304 stainless steel chamber

## TECHNICAL DATA

Model	TD-4B	Time Setting	1s ~ 99min
Max Speed	4700rpm	Noise	≤55dB(A)
Max RCF	2000xg	Power Consumption	200w
Max Capacity	12x7ml(SERO rotor)	Dimension	375x300x360mm
Speed Accuracy	±20rpm	Weight	17kg

## AVAILABLE ROTORS

	Rotor	Program No.	RCF	Time	Application
<p>Order No.:0104520100</p>	Rotor for lymphocyte/HLA (12x1.5ml)	1	2000xg	180s	Lymphocyte separation Cell-culture separation
		2	1000xg	3s	Platelet separation (handing with thrombase)
		3	1000xg	60s	Lymphocyte wash
<p>Order No.:0104520200</p>	Rotor for red blood cell/SERO (12x7ml)	1	500xg	60s	Blood type Observation of hemagglutination reaction
		2	1000xg	15s	Cross-matching,Coombs test
		3	1000xg	60s	Blood cell wash Extraction of serum and plasma

## Gel card centrifuge



# TD-4K

Order No.:0101230000

## Features

- >LED screen shows RPM/RCF and Time
- >Low noise,without carbon powder pollution
- >Variable frequency motor drive, microprocessor control
- >Electronic lid lock to ensure safety
- >Steel housing;304 stainless steel chamber
- >Professional program design,it can run directly without setting paramters

## TECHNICAL DATA

Model	TD-4K
Max Speed	3840rpm
Max RCF	1790xg
Capacity	24/12 Gel card
Noise	≤60dB(A)
Power Consumption	100w
Dimension	375x300x260mm
Weight	17kg

Centrifugal procedure	Max Speed	Max RCF
0-2Min	900rpm	100×g
2-5Min	1500rpm	280×g



24 Gel card

Order No.:0103500200



12 Gel card

Order No.:0103500100

## Rock core centrifuge



Order No.:0199060000

# YX-1850R

## FEATURES

### User-friendly functions

- >1000 user-defined programs
- >40 rates acceleration and deceleration
- >1s to 99h59m timer range
- >LCD touch screen for setting and viewing parameters
- >RCF can be set directly
- >User can reset parameters when rotor is spinning

### Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Automatic rotor lock,without using any tools
- >Electronic lid lock, controlled by independent motor
- >Lid can only be opened when completely stop spin
- >Hydraulic rods support the lid
- >Port in the lid for calibration and operation checking
- >Emergency lid-lock release
- >Various protections to ensure safe centrifugation

### Good components

- >Motor: Variable frequency motor.  
stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: Food grade 304 stainless steel.  
anticorrosion and easy to clean

### Refrigeration

- >Imported compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin

## TECHNICAL DATA

Max Speed	18500rpm
Max RCF	42000xg
Max Capacity	4x100ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s~ 99h59m59s
Noise	≤65dB(A)
Max capillary pressure	13.40Mpa
Power Consumption	5000w
Dimension	850x730x930mm
Weight	280kg

