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Liquid handing, sample handing  
and life-science products for  
**Laboratory** **M**  
**edical**

**Catalogue 2018-2019**

PIPETTE



CENTRIFUGE



SHAKER



**HWLAB®**

MAKE IT EASIER FOR YOUR LABORATORY

# Welcome to HWLAB

ZheJiang HUAWEI Scientific Instrument Co.,Ltd was established in 1996. HWLAB is registered trademark of HUAWEI which is professional manufacturer of high quality laboratory instruments for use in life-science research laboratories worldwide.

Its product range includes liquid handling, centrifuges and shakers. HWLAB products used in life-science research and biotechnology from basic laboratory consumables to highly specialized laboratory instruments. All products are highly regarded for their quality design and performance - beginning with extensive research and development as well as ending with strict quality-controlled manufacturing in accordance with EN ISO13485:2012 International Quality Management Systems.

HWLAB, are dedicated to making your research laboratory easier. Browsing through the catalog, you will find the best solutions and the most cost effective ways to select your products. Enjoy exploring a wide range of products in the HWLAB world!

HWLAB - MAKE IT EASIER FOR YOUR LABORATORY



Dr. WenHua Liang

Chairman of the Board

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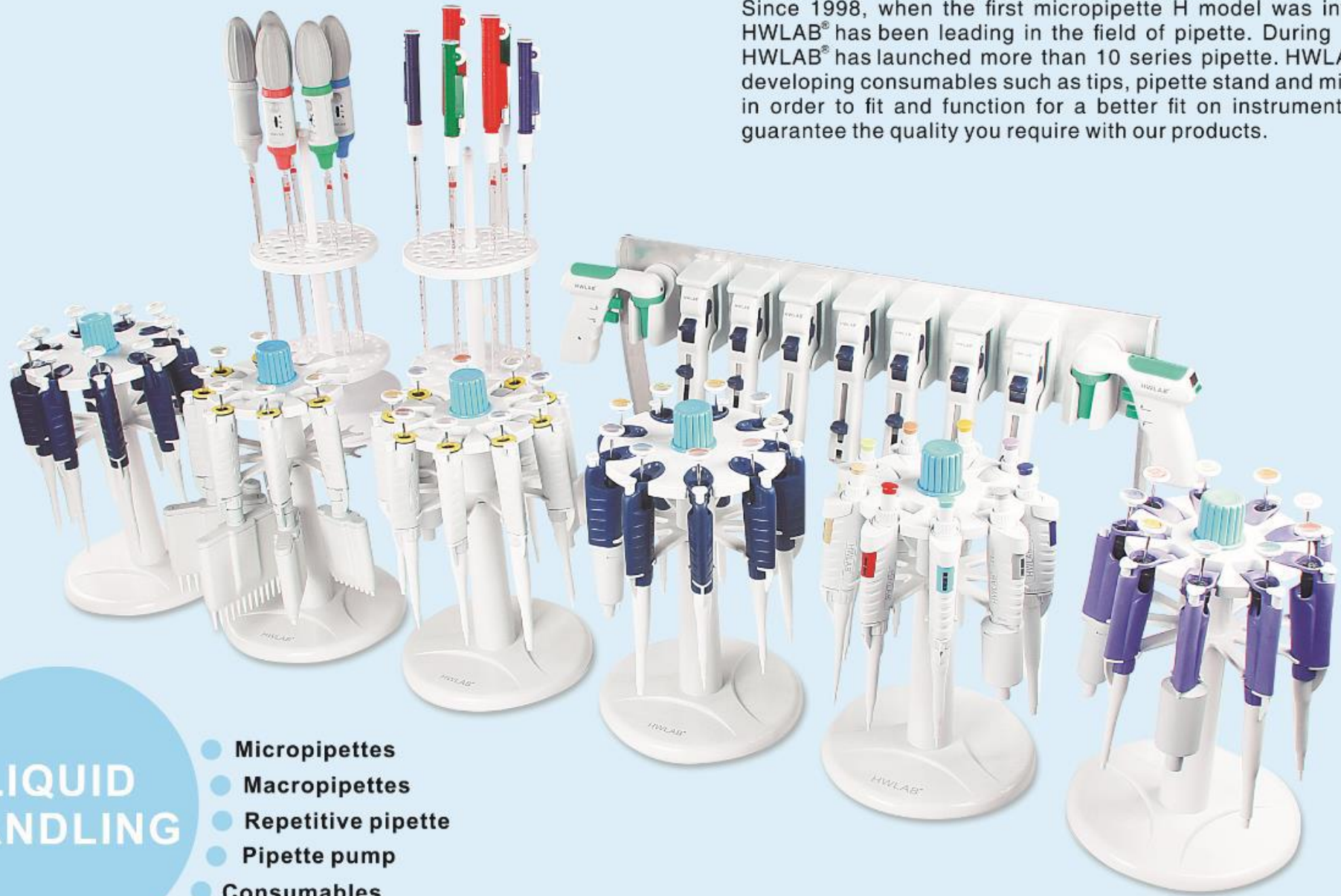
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Since 1998, when the first micropipette H model was introduced, HWLAB® has been leading in the field of pipette. During 18 years, HWLAB® has launched more than 10 series pipette. HWLAB® keeps developing consumables such as tips, pipette stand and microplates in order to fit and function for a better fit on instruments. We will guarantee the quality you require with our products.



## LIQUID HANDLING

- Micropipettes
- Macropipettes
- Repetitive pipette
- Pipette pump
- Consumables

# HWLAB<sup>®</sup> Micropipette A series

Adjustable-volume pipette



## Description

HWLAB<sup>®</sup> pipette A series is the latest innovation of HUAWEI based on ergonomics, comfort, and traceability research. This new mechanical pipette combines the HWLAB<sup>®</sup> pipette accuracy, reliability and a newly designed body.

## Product features

- 4 digits
- Magnifying shape
- Chemical resistance
- 121°C sterilization
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics
- Only a few turns to reach your desired volume

## Ordering information: HWLAB<sup>®</sup> Micropipette A Single channel, adjustable-volume

Cat. No	Model	Volume range	Accuracy	Repeatability
L-2107	A2	0.1-2 $\mu$ l	$\pm$ 12.0-1.5%	$\leq$ 6.00-0.70%
L-2108	A10	0.5-10 $\mu$ l	$\pm$ 2.5-1.0%	$\leq$ 1.50-0.40%
L-2109	A20	2-20 $\mu$ l	$\pm$ 2.5-1.0%	$\leq$ 1.50-0.30%
L-2110	A50	5-50 $\mu$ l	$\pm$ 2.0-1.0%	$\leq$ 1.50-0.25%
L-2111	A100	10-100 $\mu$ l	$\pm$ 1.8-0.8%	$\leq$ 0.50-0.15%
L-2112	A200	20-200 $\mu$ l	$\pm$ 1.8-0.6%	$\leq$ 0.50-0.15%
L-2113	A1000	100-1000 $\mu$ l	$\pm$ 1.5-0.6%	$\leq$ 0.30-0.15%
L-2114	A5000	500-5000 $\mu$ l	$\pm$ 1.2-0.6%	$\leq$ 0.30-0.15%
L-2115	A10ml	1-10ml	$\pm$ 2.5-0.6%	$\leq$ 0.30-0.15%

## Remark

Quantity per carton: 20 pcs  
 G.W.: 7.0kg  
 Dimension: 43x31 x27cm





#### Product features of fixed-volume pipette

- 4 digits
- Magnifying shape
- Chemical resistance
- 121°C sterilization
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics



#### Product features of multichannel pipette

- 4 digits
- Magnifying shape
- Chemical resistance
- 121°C sterilization
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics
- Only a few turns to reach your desired volume



#### Ordering information: HWLAB® Micropipette A Single channel, fixed-volume

Cat.No	Model	Volume range	Accuracy	Repeatability
L-2116	AF5	5 µl	± 2.0%	≤0.80%
L-2117	AF10	10 µl	± 1.0%	≤0.50%
L-2118	AF20	20 µl	± 1.0%	≤0.30%
L-2119	AF25	25 µl	± 1.0%	≤0.30%
L-2120	AF50	50 µl	± 0.6%	≤0.30%
L-2121	AF100	100 µl	± 0.6%	≤0.25%
L-2122	AF200	200 µl	± 0.6%	≤0.15%
L-2123	AF500	500 µl	± 0.6%	≤0.20%
L-2124	AF1000	1000 µl	± 0.6%	≤0.15%

#### Remark

Quantity per carton: 20 pcs  
G.W.: 7.0kg  
Dimension: 43x31x27cm

#### Ordering information: HWLAB® Micropipette A Multichannel, adjustable-volume

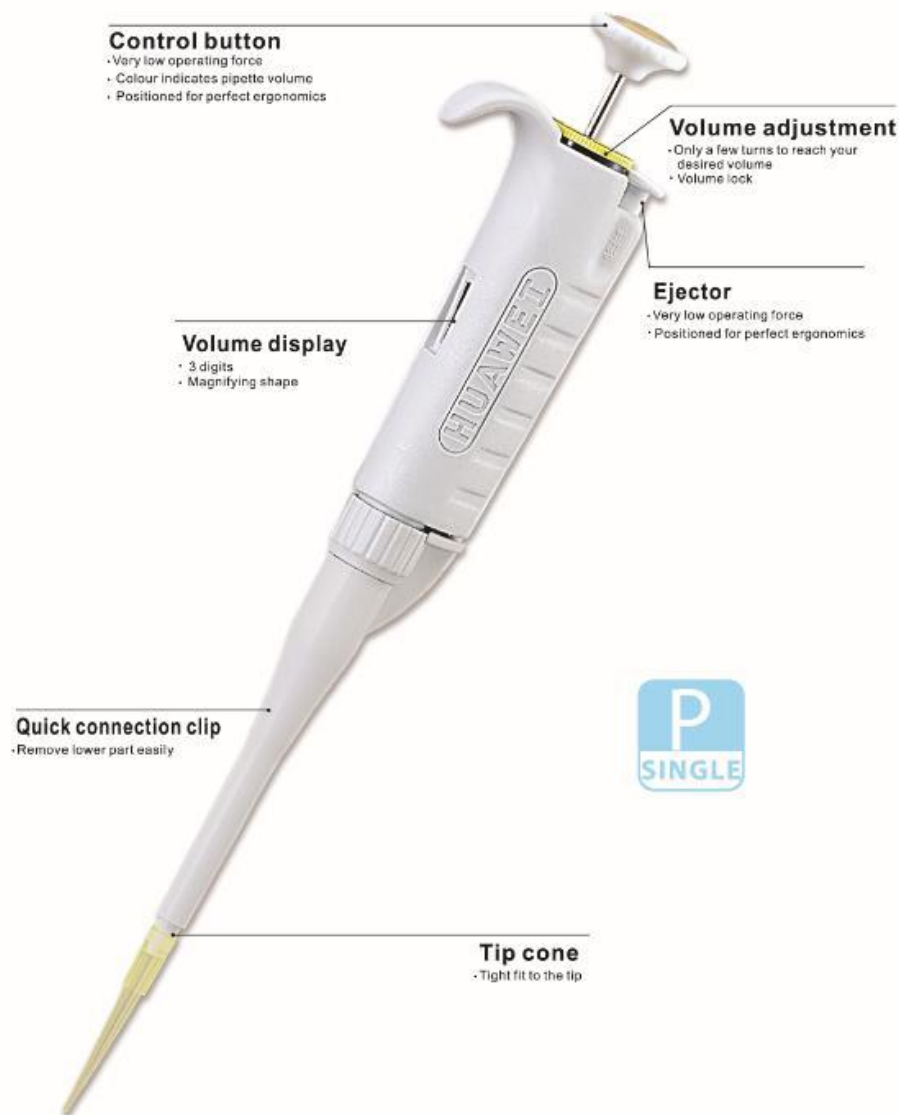
Cat.No	Model	Volume range	Accuracy	Repeatability
L-2125	A8 x 20	2-20 µl	± 6.0-1.5%	≤2.50-0.40%
L-2126	A8 x 50	5-50 µl	± 3.0-1.2%	≤1.50-0.40%
L-2127	A8 x 200	20-200 µl	± 2.5-1.0%	≤1.25-0.50%
L-2128	A12 x 20	2-20 µl	± 6.0-1.5%	≤2.50-0.40%
L-2129	A12 x 50	5-50 µl	± 3.0-1.2%	≤1.50-0.40%
L-2130	A12 x 200	20-200 µl	± 2.5-1.0%	≤1.25-0.50%

#### Remark

Quantity per carton: 10 pcs  
G.W.: 8.0kg  
Dimension: 69x32x23cm

# HWLAB<sup>®</sup> Micropipette P series

Adjustable-volume pipette



## Description

HWLAB<sup>®</sup> pipette P series is a new mechanical, air-displacement pipette from HUAWEI. HWLAB<sup>®</sup> pipette P series offers you a volume lock and that is one of the most beautiful exterior in Pipettes. Enjoy a new addition to Pipette line with its legendary accuracy, precision, and robustness...with the highest comfort!

## Product features

- 3 digits
- Magnifying shape
- Chemical resistance
- 121°C sterilization
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics
- Only a few turns to reach your desired volume

## Ordering information: HWLAB<sup>®</sup> Micropipette P Single channel, adjustable-volume

Cat.No	Model	Volume range	Accuracy	Repeatability
L-2018	P2	0.1-2µl	± 12.0-1.5%	≤6.00-0.70%
L-2019	P10	0.5-10µl	± 2.5-1.0%	≤1.50-0.40%
L-2020	P20	2-20µl	± 2.5-1.0%	≤1.50-0.30%
L-2020A	P50	5-50µl	± 2.0-1.0%	≤1.50-0.25%
L-2021	P100	10-100µl	± 1.8-0.8%	≤0.50-0.15%
L-2022	P200	20-200µl	± 1.8-0.6%	≤0.50-0.15%
L-2023	P1000	100-1000µl	± 1.5-0.6%	≤0.30-0.15%
L-2024	P5000	500-5000µl	± 1.2-0.6%	≤0.30-0.15%
L-2024A	P10ml	1-10ml	± 2.5-0.6%	≤0.30-0.15%

## Remark

Quantity per carton: 20 pcs  
 G.W.: 7.0kg  
 Dimension: 43x31x27cm



#### Product features of fixed-volume pipette

- 3 digits
- Magnifying shape
- Chemical resistance
- 121°C sterilization
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics



#### Product features of multichannel pipette

- 3 digits
- Magnifying shape
- Chemical resistance
- 121°C sterilization
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics
- Only a few turns to reach your desired volume

#### Ordering information: HWLAB® Micropipette P Single channel, fixed-volume

Cat.No	Model	Volume range	Accuracy	Repeatability
L-2131	PF5	5µl	± 2.0%	≤0.80%
L-2132	PF10	10µl	± 1.0%	≤0.50%
L-2133	PF20	20µl	± 1.0%	≤0.30%
L-2134	PF25	25µl	± 1.0%	≤0.30%
L-2135	PF50	50µl	± 0.6%	≤0.30%
L-2136	PF100	100µl	± 0.6%	≤0.25%
L-2137	PF200	200µl	± 0.6%	≤0.15%
L-2138	PF500	500µl	± 0.6%	≤0.20%
L-2139	PF1000	1000µl	± 0.6%	≤0.15%

#### Remark

Quantity per carton: 20 pcs

G.W.: 7.0kg

Dimension: 43x31x27cm

#### Ordering information: HWLAB® Micropipette P Multichannel, adjustable-volume

Cat.No	Model	Volume range	Accuracy	Repeatability
L-2025	P8 x 20	2-20µl	± 6.0-1.5%	≤2.50-0.40%
L-2025A	P8 x 50	5-50µl	± 3.0-1.2%	≤1.50-0.40%
L-2026	P8 x 200	20-200µl	± 2.5-1.0%	≤1.25-0.50%
L-2027	P12 x 20	2-20µl	± 6.0-1.5%	≤2.50-0.40%
L-2027A	P12 x 50	5-50µl	± 3.0-1.2%	≤1.50-0.40%
L-2028	P12 x 200	20-200µl	± 2.5-1.0%	≤1.25-0.50%

#### Remark

Quantity per carton: 10 pcs

G.W.: 8.0kg

Dimension: 69 x 32 x 23cm



# HWLAB<sup>®</sup> Micropipette H model

Adjustable-volume pipette



## Description

HWLAB<sup>®</sup> pipette H model is designed and manufactured to provide you with a range of robust, accurate and precise pipettes. The HWLAB<sup>®</sup> pipette H model is a fully adjustable, air-displacement pipette with the selected volume shown on a digital indicator (volume display).

## Product features

- 3 digits
- Magnifying shape
- 121°C sterilization for low-half part
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics
- Only a few turns to reach your desired volume

## Ordering information: HWLAB<sup>®</sup> Micropipette H Single channel adjustable-volume

Cat.No	Model	Volume range	Accuracy	Repeatability
L-2001	H2	0.1-2µl	± 12.0-1.5%	≤6.00-0.70%
L-2002	H10	0.5-10µl	± 2.5-1.0%	≤1.50-0.40%
L-2003	H20	2-20µl	± 2.5-1.0%	≤1.50-0.30%
L-2003A	H50	5-50µl	± 2.0-1.0%	≤1.50-0.25%
L-2004	H100	10-100µl	± 1.8-0.8%	≤0.50-0.15%
L-2005	H200	20-200µl	± 1.8-0.6%	≤0.50-0.15%
L-2006	H1000	100-1000µl	± 1.5-0.6%	≤0.30-0.15%
L-2007	H5000	500-5000µl	± 1.2-0.6%	≤0.30-0.15%
L-2008	H10ml	1-10ml	± 2.5-0.6%	≤0.30-0.15%

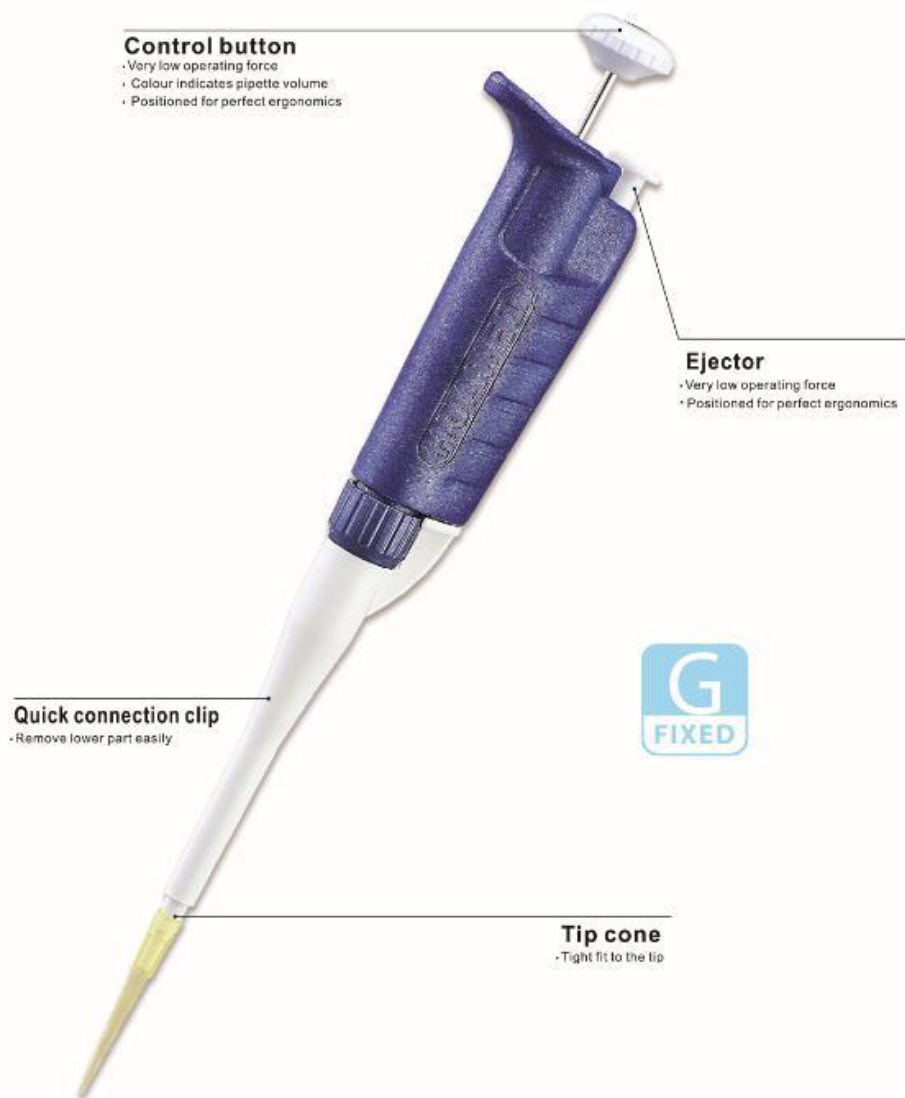
## Remark

Quantity per carton: 20 pcs  
 G.W.: 7.0kg  
 Dimension: 43x31x27cm



# HWLAB<sup>®</sup> Micropipette G model

Fixed-volume pipette



## Description

HWLAB<sup>®</sup> pipette G model is designed and manufactured to provide you with a range of robust, accurate and precise pipettes. HWLAB<sup>®</sup> pipette G model is a fixed volume, air-displacement pipette.

## Product features

- 121°C sterilization for low-half part
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics

## Ordering information: HWLAB<sup>®</sup> Micropipette G Single channel, fixed-volume

Cat.No	Model	Volume range	Accuracy	Repeatability
L-2009	G5	5 µl	± 2.0%	≤ 0.80%
L-2010	G10	10 µl	± 1.0%	≤ 0.50%
L-2011	G20	20 µl	± 1.0%	≤ 0.30%
L-2012	G25	25 µl	± 1.0%	≤ 0.30%
L-2013	G50	50 µl	± 0.6%	≤ 0.30%
L-2014	G100	100 µl	± 0.6%	≤ 0.25%
L-2015	G200	200 µl	± 0.6%	≤ 0.15%
L-2016	G500	500 µl	± 0.6%	≤ 0.20%
L-2017	G1000	1000 µl	± 0.6%	≤ 0.15%

## Remark

Quantity per carton: 20 pcs  
 G.W.: 7.0kg  
 Dimension: 43x31 x27cm

# HWLAB<sup>®</sup> Micropipette U model

Adjustable-volume pipette



## Description

HWLAB<sup>®</sup> pipette U model is designed and manufactured to provide you with a range of robust, accurate and precise pipettes. The HWLAB<sup>®</sup> pipette U model is a fully adjustable, air-displacement pipette with the selected volume shown on a digital indicator (volume display).

## Product features

- 3 digits
- Magnifying shape
- Chemical resistance
- 121°C sterilization
- Very low operating force
- Colour indicates pipette volume
- Positioned for perfect ergonomics
- Only a few turns to reach your desired volume

## Ordering information: HWLAB<sup>®</sup> Micropipette U Single channel, adjustable-volume

Cat.No	Model	Volume range	Accuracy	Repeatability
L-2081	U2	0.1-2 $\mu$ l	$\pm$ 12.0-1.5%	$\leq$ 6.00-0.70%
L-2082	U10	0.5-10 $\mu$ l	$\pm$ 2.5-1.0%	$\leq$ 1.50-0.40%
L-2083	U20	2-20 $\mu$ l	$\pm$ 2.5-1.0%	$\leq$ 1.50-0.30%
L-2084	U50	5-50 $\mu$ l	$\pm$ 2.0-1.0%	$\leq$ 1.50-0.25%
L-2085	U100	10-100 $\mu$ l	$\pm$ 1.8-0.8%	$\leq$ 0.50-0.15%
L-2086	U200	20-200 $\mu$ l	$\pm$ 1.8-0.6%	$\leq$ 0.50-0.15%
L-2087	U1000	100-1000 $\mu$ l	$\pm$ 1.5-0.6%	$\leq$ 0.30-0.15%
L-2088	U5000	500-5000 $\mu$ l	$\pm$ 1.2-0.6%	$\leq$ 0.30-0.15%
L-2089	U10ml	1-10ml	$\pm$ 2.5-0.6%	$\leq$ 0.30-0.15%

## Remark

Quantity per carton: 20 pcs  
 G.W.: 7.0kg  
 Dimension: 43x31 x27cm



## Control ball

The unique valve system allows for easy compression of the newly designed bellows. The spring loaded lever enables an even more sensitive filling and discharging of liquids.

## Blow-out button

When using blow-out pipettes, press the convenient blowout bulb once the meniscus has come to rest in the jet.

## Volume adjustment

To fill the liquid, simply press up the lever. To discharge the liquid, simply press down the lever. The valve system is designed so that flow rate does not affect accuracy.

## Pipette cone

The conical silicone adapter offers a secure fit for the different diameters. Covering the entire range of bulb and graduated pipettes from 0.1 to 100 ml.



## Description and features

### Convenient operation without effort

The unique valve system allows for easy compression of the newly designed bellows. The spring loaded lever enables an even more sensitive filling and delivery of liquids. The meniscus is easily adjustable.

### Ergonomic design

To fill the liquid, simply press up the lever. To discharge the liquid, simply press down the lever. The valve system is designed so that flow rate does not affect accuracy. When using blow-out pipettes, press the convenient blowout bulb once the meniscus has come to rest in the jet.

### Broad area of applications

One single macropipette manual covers the entire range of bulb and graduated pipettes from 0.1 to 100 ml. The conical silicone adapter offers a secure fit for the different diameters.

### Perk up the lab with color

Five different colors: gray, red, green, yellow and blue.

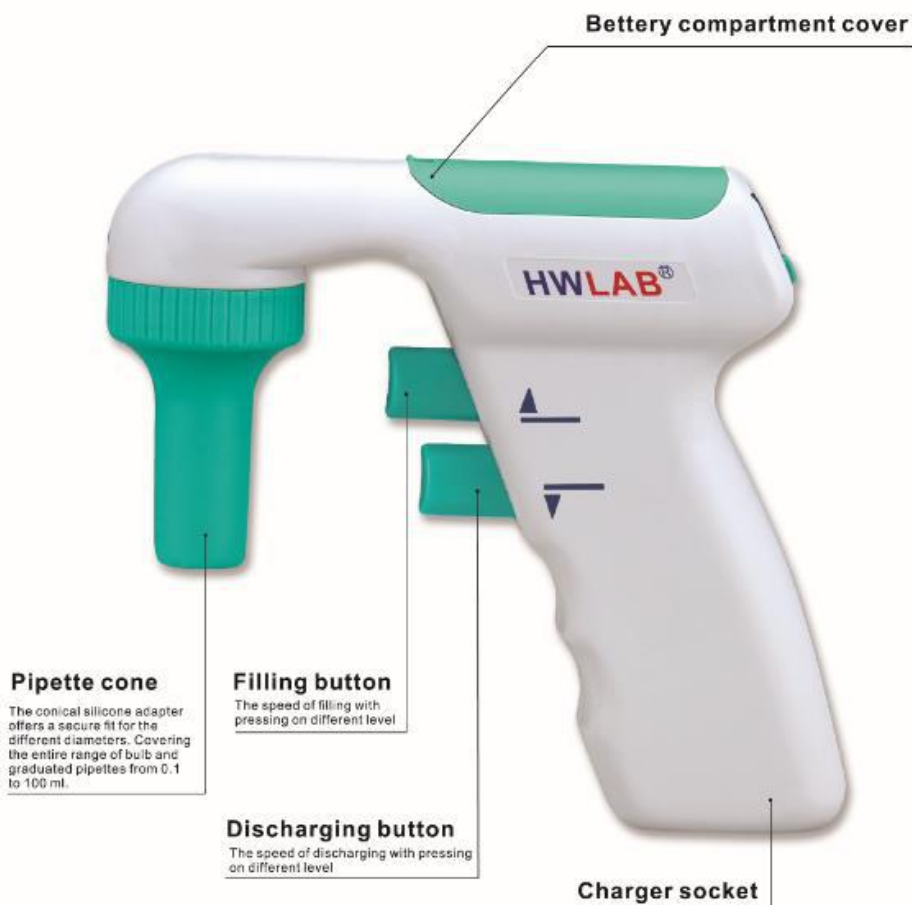


## Ordering information: HWLAB<sup>®</sup> Macropipette manual

Cat.NO	Color	QTY	G.W.	Dimension
L-2090	Grey	100pcs	15kg	45x30x59cm
L-2091	Blue	100pcs	15kg	45x30x59cm
L-2092	Red	100pcs	15kg	45x30x59cm
L-2093	Green	100pcs	15kg	45x30x59cm
L-2094	Yellow	100pcs	15kg	45x30x59cm

# HWLAB<sup>®</sup> Macropipette electronic

Macropipette electronic



## Description and features

### Comfortable

Ergonomic handgrip, perfectly balanced design - for fatigue-free pipetting even in prolonged operations.

### Single-handed operation

With HWLAB<sup>®</sup> Macropipette electronic, you have continuously variable speed control using just two buttons. In addition, you can select your maximum motor speed to improve sensitivity and control with low-volume pipettes.

### Quiet

Motor and pump operate quietly and with very low vibration. The longer you use it, the more you will appreciate it.

### Broad area of applications

One single Macropipette electronic covers the entire range of bulb and graduated pipettes from 0.1 to 100 ml. The conical silicone adapter offers a secure fit for the different diameters.

### Safety

The 0.2 $\mu$ m hydrophobic membrane filter provide double protection against fluid penetration.

## Ordering information: HWLAB<sup>®</sup> Macropipette electronic

Cat.NO	QTY	G.W.	Dimension
L-2095	10pcs	6kg	49.5x25.5x29cm



# HWLAB® Repetitive pipette

Repetitive pipette



## HWLAB® Repetitive pipette with HW-Tips volume table

HWLAB® Repetitive pipette and HW-tips work on the direct displacement principle. This offers the highest-precision dispensing of liquid media with high viscosity, high density, or high vapor pressure. Direct displacement permits contamination-free operation, since no aerosols are formed. Offers 35 different partial volumes with different numbers of dispensing steps, depending on the HW-Tip size and stroke setting number used.

Settings	1	2	3	4	5
Steps	49	24	15	11	9
HW-Tip(ml)	Volume(μl)				
0.5	10	20	30	40	50
1.25	25	50	75	100	125
2.5	50	100	150	200	250
5.0	100	200	300	400	500
12.5	250	500	750	1000	1250
25	500	1000	1500	2000	2500
50	1000	2000	3000	4000	5000

## Ordering information: HWLAB® Repetitive pipette

Cat.NO	HW-Tips(ml)	Volume(μl)	Accuracy	Repeatability
L-2072	0.5	10-50	± 0.9%	≤ 1.40-0.60%
	1.25	25-125	± 0.9%	≤ 0.80-0.30%
	2.5	50-250	± 0.8%	≤ 0.80-0.20%
	5	100-500	± 0.6%	≤ 0.60-0.20%
	12.5	250-1250	± 0.4%	≤ 0.40-0.20%
	25	500-2500	± 0.4%	≤ 0.40-0.20%
	50	1000-5000	± 0.4%	≤ 0.40-0.15%

### Remark

Quantity per carton: 20 pcs

G.W.: 8.0kg

Dimension: 72x30x20cm

# HWLAB® Pipette pump



## Description and features

### Convenient operation without effort

HWLAB® Pipette pump provides for easy and precise pipetting. Pumps feature a lever for quick release, and forward or backward wheel movement. It is also easy to clean.

### Ergonomic design

To fill the liquid, simply press forward the wheel. To discharge the liquid, simply press backward the wheel or pressing the convenient discharge button.

### Broad area of applications

The conical silicone adapter offers a secure fit for the different diameters.

### Perk up the lab with color

Three different colors: red, green and blue.

Pipette pump



## Ordering information: HWLAB® Pipette pump

Cat.NO	Model	QTY	G.W.	Dimension
L-2069	2ml	100pcs	5kg	37x19x29cm
L-2070	10ml	100pcs	5kg	37x19x29cm
L-2071	25ml	100pcs	7kg	47x22x36cm



## HWLAB® Pipette stands



### Description

Enjoy an organized workplace with our rotating pipette stand. Pipettes attach to the stand by the handle, not the nose cone, which rules out potential cross-contamination from the stand to the pipettes.

As we have our production facilities, we can maintain the highest standards in the selection and processing of plastic materials.

### Product features

- Pipette stand HW-9 can hold 9 pcs HWLAB® A series/P series/U series pipettes
- Pipette stand HW-9B can hold 9 pcs HWLAB® H series/G series pipettes
- Also suitable for use with HWLAB® multi channel pipettes

### Ordering information: HWLAB® Pipette stands

Cat.NO	Model	QTY	G.W.	Dimension
L-2039A	HW-9	8pcs	11kg	74x48x48cm
L-2039B	HW-9B	8pcs	11kg	74x48x48cm

## HWLAB® Tip box&slot&pipette tips

Pipette stands, pipette tips, tip box&slot



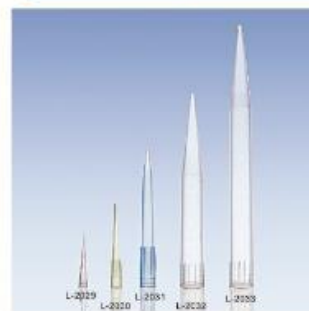
### Description

Tip box&slot can help to improve work efficiency when pipette fit on and ejecting tip. Tip box optimized for use with multi channel pipette.

As we have our production facilities, we can maintain the highest standards in the selection and processing of plastic materials.

### Ordering information: HWLAB® Tip box&slot

Cat.NO	Model	QTY	G.W.	Dimension
L-2034	96wellx10µl	100 pcs	9.0 kg	47x44x27cm
L-2035	96wellx200µl	100 pcs	9.5 kg	47x44x34cm
L-2036	100wellx1000µl	100 pcs	15.0 kg	57x54x51cm
L-2037	50ml	300 pcs	9.0 kg	45x36x35cm



### Description

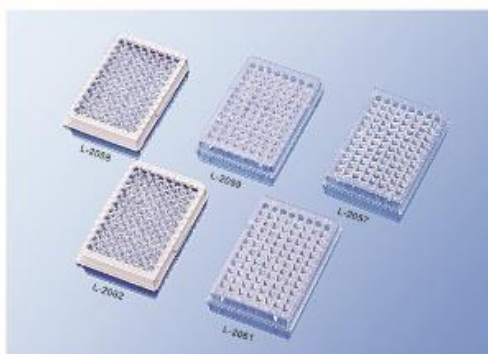
A pipette is only as good as its tip. Only a perfectly manufactured pipette tip can ensure that the precision of a modern pipette is maximized. HWLAB® Pipette tips have been development to workin perfect combination with our pipette. Additionally, the universal nose cone design allows the tips to be used with pipettes from other manufacturers.

As we have our production facilities, we can maintain the highest standards in the selection and processing of plastic materials.

### Ordering information: HWLAB® Pipette tips

Cat.NO	Model	Volume range	QTY	G.W.	Demension
L-2029	P10	0.1-10µl	30000 pcs	6.0 kg	36x23x30cm
L-2030	P200	2-200µl	20000 pcs	8.0 kg	36x23x30cm
L-2031	P1000	100-1000µl	10000 pcs	15.0 kg	60x40x36cm
L-2032	P5000	1000-5000µl	2000 pcs	8.0 kg	41x31x37cm
L-2033	P10ml	1-10ml	1500 pcs	9.0 kg	41x31x37cm

# HWLAB® Microplates



## Description

HWLAB® Microplate bring a unique clarity into your laboratory! Never before has it been so easy to pipette, check, and re-extract amples in a polystyrene microplate.

The easy to read alphanumeric labeling on each plate makes identifying wells incredibly easy, accelerates the filling and significantly reduces the risk of error.

The clear HWLAB® Microplate are ideal for storing substances or for applications requiring high resistance to solvents, such as DMSO.

As we have our production facilities, we can maintain the highest standards in the selection and processing of plastic materials.

## Shape of well-bottom

- **Flat-bottom** - excellent for optical measurements and microscopic examination
- **Round-bottom** - typically used for applications where efficient mixing or washing is required. Also used for examination of pellets
- **Conical-bottom** - ideal when working with small sample volumes and when maximum liquid recovery is needed. Also recommended for precipitation of low concentrated samples by centrifugation.

## Product features

- Unmatched transparency for better sample visibility
- Minimal residual volume and high well-to-well homogeneity
- Polypropylene provides high resistance to chemicals, mechanical stress and temperature extremes

## Ordering information: HWLAB® Microplates

Description	96wells/U	96wells/Ux12	96wells/F	96wells/Fx12	96wells/V
Cat.NO	L-2057	L-2058	L-2061	L-2062	L-2059
Number of wells	96	96	96	96	96
Total well volume	360µl	360µl	400µl	400µl	350µl
Work volume	20-320µl	20-320µl	50-350µl	50-350µl	20-300µl
Shape of well-bottom	Round	Round	Flat	Flat	Conical
QTY	100 pcs	100 pcs	100 pcs	100 pcs	100 pcs
G.W.	5.0 kg	6.0 kg	8.0 kg	8.0 kg	6.0 kg
Dimension	28x28x25cm				

# HWLAB® HW-Tips

Microplates, HW-Tips



## Description

HW-Tips from HWLAB® work on the direct displacement principle and are therefore particularly suitable for dispensing of fluids with high viscosity, high vapor pressure, etc.

## Ordering information: HWLAB® HW-Tips

Cat.NO	Volume	QTY	G.W.	Dimension
L-2073	0.50ml	1000 pcs	10.0 kg	53x28x58cm
L-2074	1.25ml	1000 pcs	10.0 kg	53x28x58cm
L-2075	2.50ml	1000 pcs	10.0 kg	53x28x58cm
L-2076	5.00ml	1000 pcs	10.0 kg	53x28x58cm
L-2077	12.50ml	1000 pcs	10.0 kg	53x28x58cm
L-2078	25.00ml	1000 pcs	22.0 kg	102x42 x58cm
L-2079	50.00ml	1000 pcs	30.0 kg	102x42 x58cm





## CENTRIFUGES

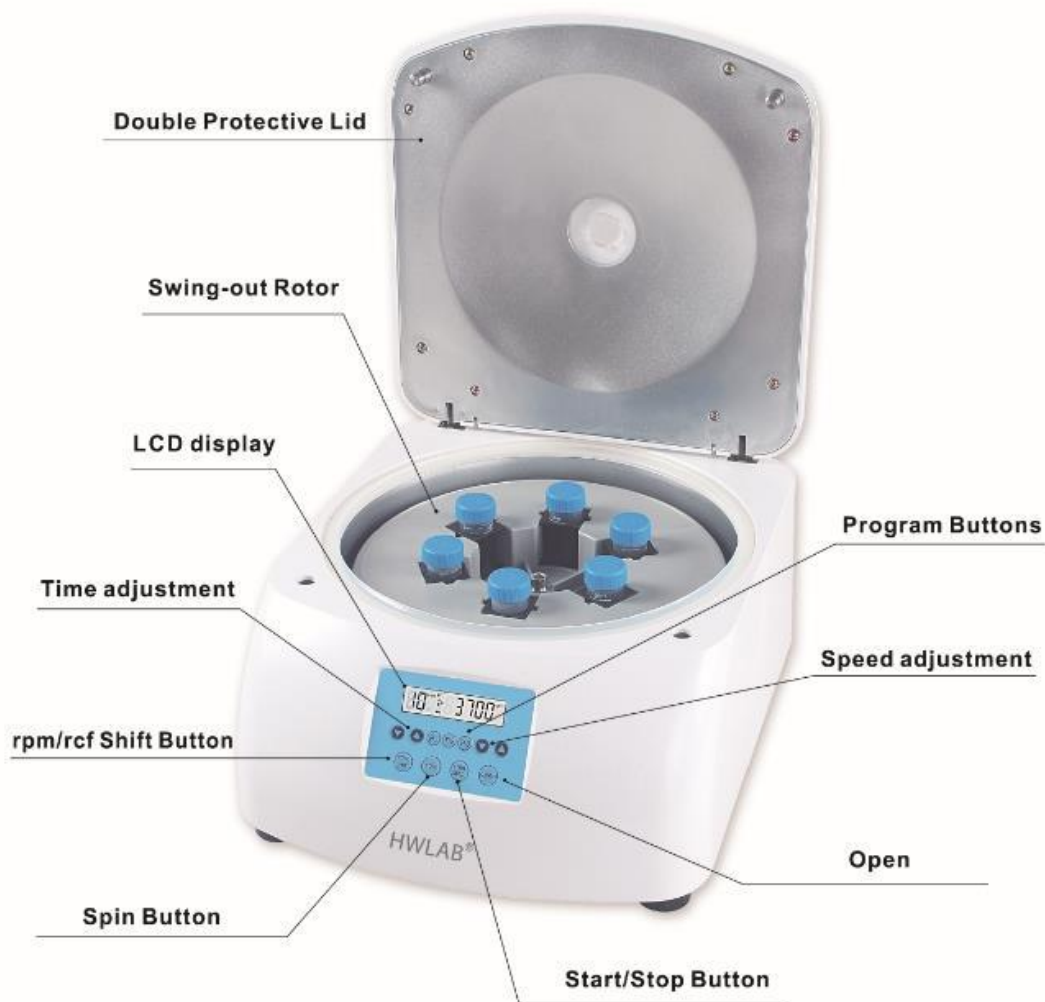
- Single speed
- Multi speed
- Microplate
- Multi function
- Swing-out
- Microtube
- Clinical
- Hematocrit
- ID card

HWLAB® has been developing more than 20 model centrifuges including Microtube centrifuges, Clinical centrifuges and Hematocrit centrifuges. Our engineers are researching new centrifuges and developing existing centrifuges more better. This is how we can guarantee optimum solutions for your requirements.



# HWLAB® Swing-out Centrifuge

Swing-out Centrifuge



## Description

HWLAB® Swing-out centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers. Horizontal separation offers many advantages over traditional fixed-angle separations, including tighter straight-line gel separations to reduce re-spins and re-mixes.

The unique swing-out rotor - streamline frontal area and high stability reduce the wind resistance effectively and load of motor, which is advantaged for reducing noise and temperature, make it quiet and protecting test samples.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 4000r/min
- Timer, from 15s to 99min, or continuous operation
- For 6×10ml/7ml/5ml/3ml blood collection tube or 6×50ml/15ml centrifuge tube or 6×1.5ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handling time
- Three program button P1/P2/P3 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection

## Technical specifications

Description	HW6S
Maximum rcf	2600xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	6×50ml/15ml/10ml/7ml/5ml/3ml/1.5ml tubes
Speed	From 300r/min to 4000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	450x375x225mm
Weight	19kg



## Ordering information: HWLAB Swing-out centrifuge

Model	Ord.No	Description
 HW6S	C-20000	Widely use in clinical labs and donation centers. The package including HW6S centrifuge with a swing-out rotor for 6×50ml centrifuge tube, and four sets of adapter for 6×10ml/7ml/5ml/3ml blood collection tubes and 6×15ml centrifuge tube as well as 6×1.5ml/2.0ml microtube.

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# HWLAB® Swing-out Centrifuge

Swing-out Centrifuge



## Description

HWLAB® Swing-out centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers. Horizontal separation offers many advantages over traditional fixed-angle separations, including tighter straight-line gel separations to reduce re-spins and re-mixes.

The unique swing-out rotor - streamline frontal area and high stability reduce the wind resistance effectively and load of motor, which is advantaged for reducing noise and temperature, make it quiet and protecting test samples.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 4000r/min
- Timer, from 15s to 99min, or continuous operation
- For 8×10ml/7ml/5ml/3ml blood collection tube or 8×18ml/15ml centrifuge tube or 8×1.5ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handling time
- Three program button P1/P2/P3 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection

## Technical specifications

Description	HW8S
Maximum rcf	2600xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	8×18ml/15ml/10ml/7ml/5ml/3ml/1.5ml tubes
Speed	From 300r/min to 4000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	450x375x225mm
Weight	19kg



## Ordering information: HWLAB Swing-out centrifuge

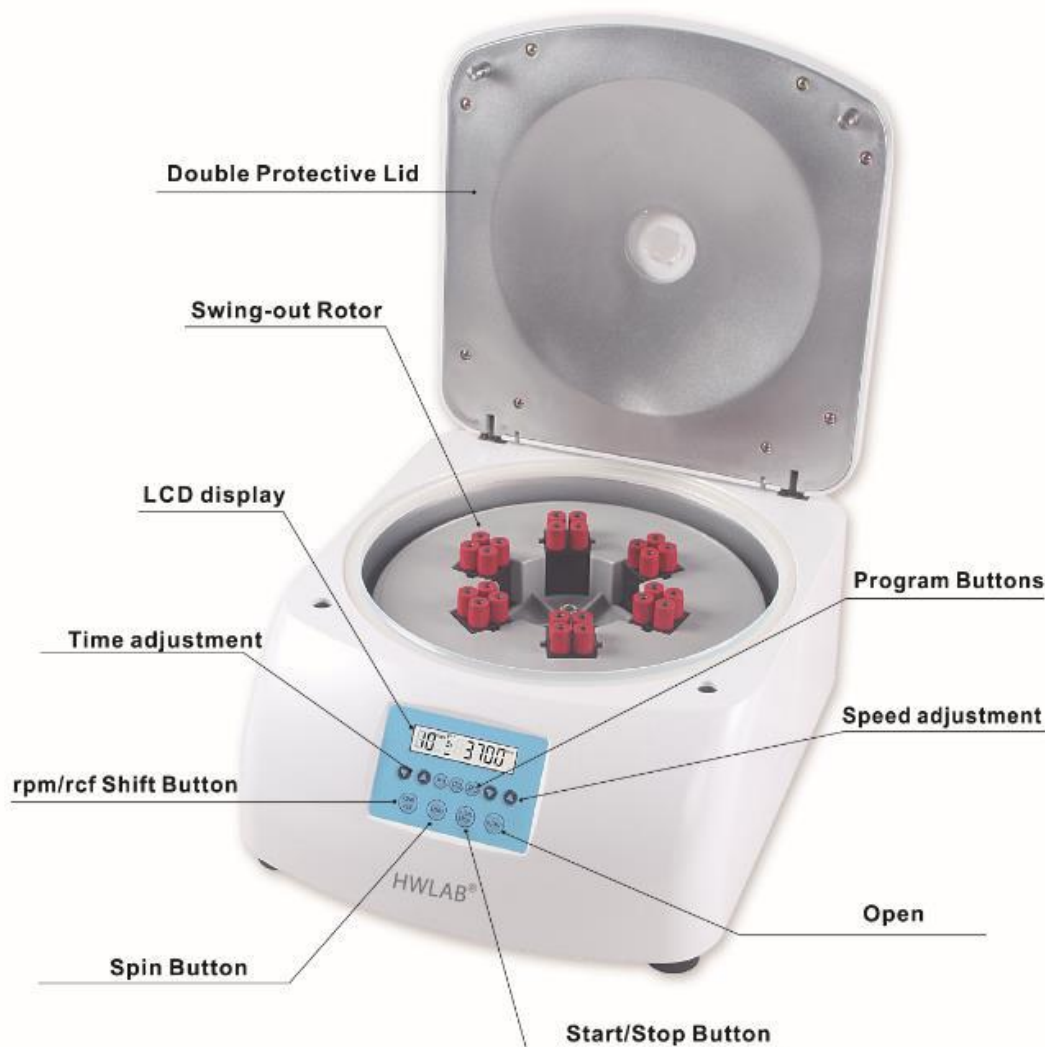
Model	Ord.No	Description
 HW8S	C-21000	Widely use in clinical labs and donation centers. The package including HW8S centrifuge with a swing-out rotor for 8×18ml centrifuge tube, and four sets of adapter for 8×15ml centrifuge tube and 8×10ml/7ml/5ml/3ml blood collection tubes as well as 8×1.5ml/2.0ml microtube.

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# HWLAB® Swing-out Centrifuge

Swing-out Centrifuge



## Description

HWLAB® Swing-out centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers. Horizontal separation offers many advantages over traditional fixed-angle separations, including tighter straight-line gel separations to reduce re-spins and re-mixes.

The unique swing-out rotor - streamline frontal area and high stability reduce the wind resistance effectively and load of motor, which is advantaged for reducing noise and temperature, make it quiet and protecting test samples.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 4000r/min
- Timer, from 15s to 99min, or continuous operation
- For 24×10ml/7ml/5ml/3ml blood collection tube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handing time
- Three program button P1/P2/P3 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection

## Technical specifications

Description	HW6B
Maximum rcf	2600xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	24×10ml/7ml/5ml/3ml blood collection tubes
Speed	From 300r/min to 4000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	450x375x225mm
Weight	19kg



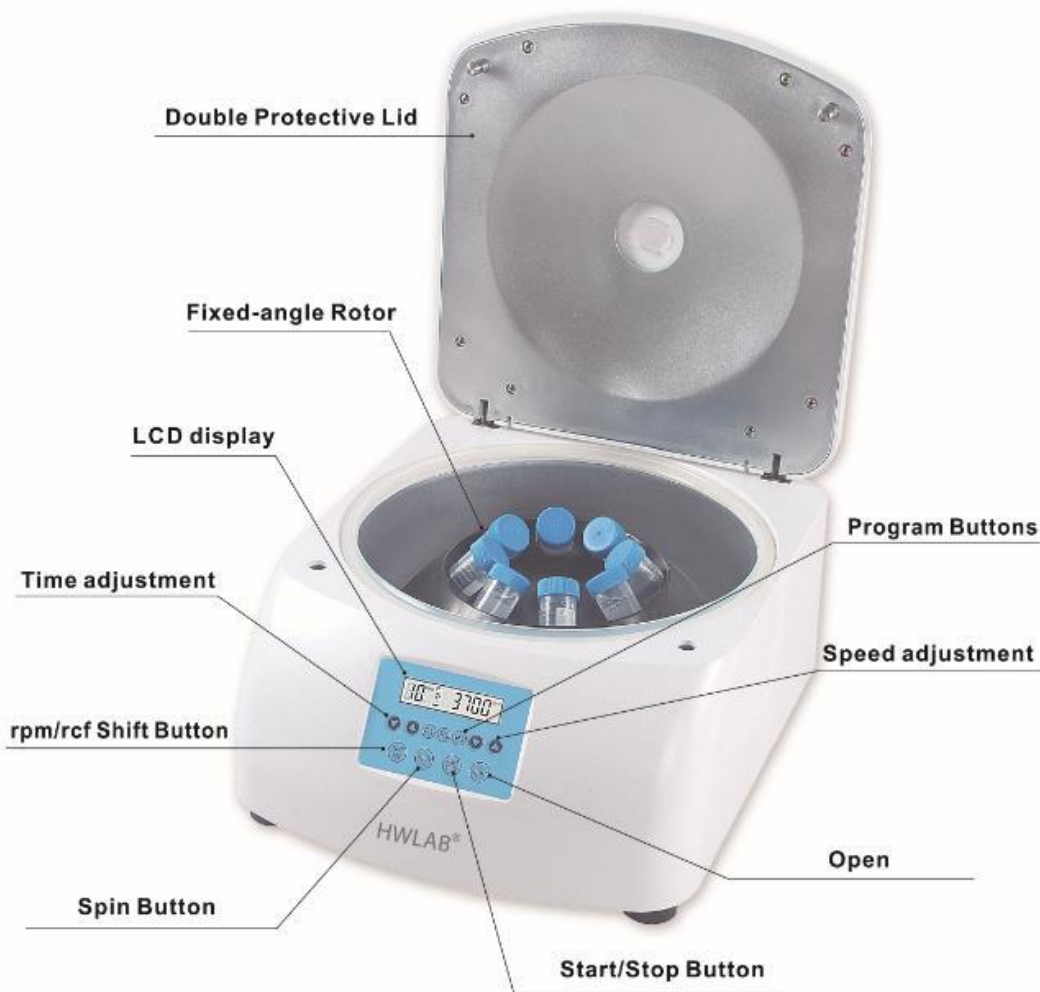
## Ordering information: HWLAB Swing-out centrifuge

Model	Ord.No	Description
 HW6B	C-22000	Widely use in clinical labs and donation centers. The package including HW6B centrifuge with a swing-out rotor for 24×10ml/7ml/5ml/3ml blood collection tubes



# HWLAB® Clinical centrifuge

Clinical centrifuge



## Description

HWLAB® Clinical centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

The unique fixed-angle rotor - streamline frontal area and high stability reduce the wind resistance effectively and load of motor, which is advantaged for reducing noise and temperature, make it quiet and protecting test samples.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 4000r/min
- Timer, from 15s to 99min, or continuous operation
- For 8×10ml/7ml/5ml/3ml blood collection tube or 8×50ml/15ml centrifuge tube or 8×1.5ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handing time
- Three program button P1/P2/P3 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection

## Technical specifications

Description	HW8P
Maximum rcf	2460xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	8×50ml/15ml/10ml/7ml/5ml/3ml/1.5ml tubes
Speed	From 300r/min to 4000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	450x375x225mm
Weight	19kg

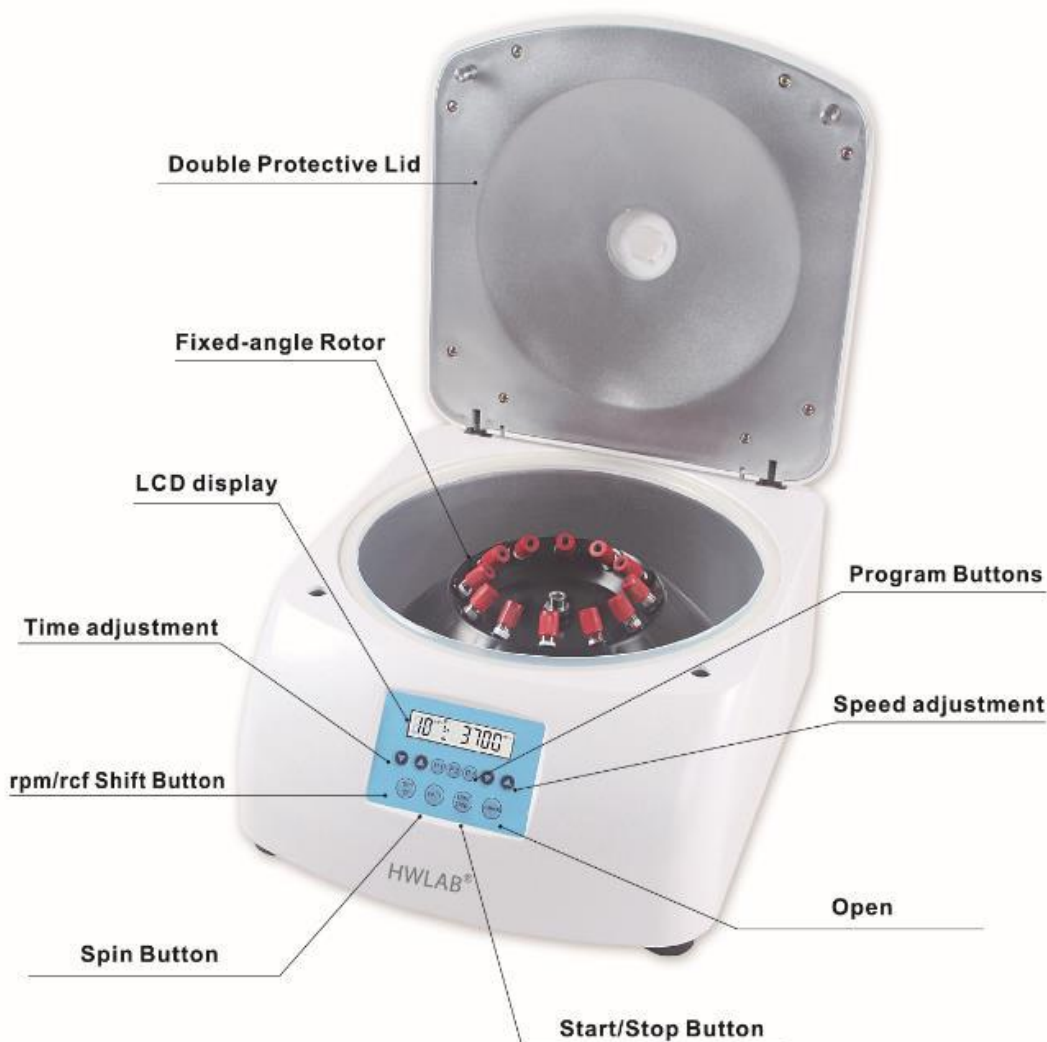


## Ordering information: HWLAB Clinical centrifuge

Model	Ord.No	Description
 HW8P	C-23000	Widely use in clinical labs and donation centers. The package including HW8P centrifuge with a fixed-angle rotor for 8×50ml centrifuge tube, and four sets of adapter for 8×10ml/7ml/5ml/3ml blood collection tubes and 8×15ml centrifuge tube as well as 8×1.5ml/2.0ml microtube.

# HWLAB® Clinical centrifuge

Clinical centrifuge



## Description

HWLAB® Clinical centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

The unique fixed-angle rotor - streamline frontal area and high stability reduce the wind resistance effectively and load of motor, which is advantaged for reducing noise and temperature, make it quiet and protecting test samples.

## Technical specifications


Description	HW12P
Maximum rcf	2460xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	12×15ml/10ml/7ml/5ml/3ml/1.5ml tubes
Speed	From 300r/min to 4000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	450x375x225mm
Weight	19kg

## Product features

- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 4000r/min
- Timer, from 15s to 99min, or continuous operation
- For 12×10ml/7ml/5ml/3ml blood collection tube or 12×15ml centrifuge tube or 12×1.5ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handing time
- Three program button P1/P2/P3 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection



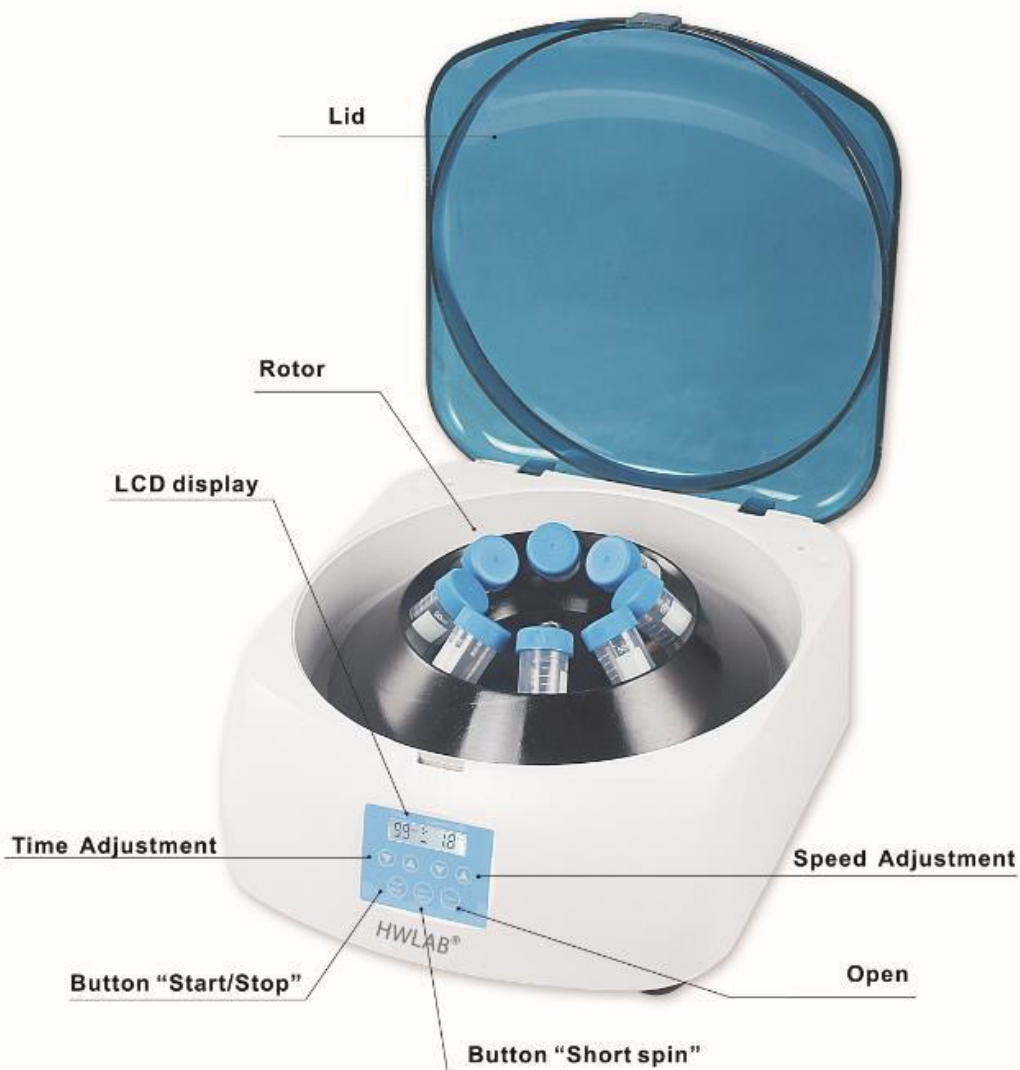
## Ordering information: HWLAB Clinical centrifuge

Model	Ord.No	Description
 HW12P	C-25000	Widely use in clinical labs and donation centers. The package including HW12P centrifuge with a fixed-angle rotor for 12×15ml centrifuge tube, and three sets of adapter for 12×10ml/7ml/5ml/3ml blood collection tubes and 12×1.5ml/2.0ml microtube.



# HWLAB® Clinical centrifuge

Clinical centrifuge



## Description

HWLAB® Clinical centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 4000r/min
- Timer, from 15s to 99min, or continuous operation
- For 8×10ml/7ml/5ml/3ml blood collection tube or 8×50ml/15ml centrifuge tube or 8×1.5ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handing time
- Automatic rotor imbalance detection

## Technical specifications

Description	HW8M
Maximum rcf	2460xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	8×50ml/15ml/10ml/7ml/5ml/3ml/1.5ml tubes
Speed	From 300r/min to 4000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	370x330x175mm
Weight	11kg



## Ordering information: HWLAB Clinical centrifuge

Model	Ord.No	Description
 HW8M	C-14000	Widely use in clinical labs and donation centers. The package including HW8M centrifuge with a fixed-angle rotor for 8×50ml centrifuge tube, and four sets of adapter for 8×10ml/7ml/5ml/3ml blood collection tubes and 8×15ml centrifuge tube as well as 8×1.5ml/2.0ml microtube.



# HWLAB® Clinical centrifuge



Clinical centrifuge



**Description**  
 HWLAB® Clinical centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

### Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 4000r/min
- Timer, from 15s to 99min, or continuous operation
- For 12×10ml/7ml/5ml/3ml blood collection tube or 12×15ml centrifuge tube or 12×1.5ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handing time
- Automatic rotor imbalance detection

### Technical specifications

Description	HW12M
Maximum rcf	2460xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	12×15ml/10ml/7ml/5ml/3ml/1.5ml tubes
Speed	From 300r/min to 4000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	370x330x175mm
Weight	11kg



### Ordering information: HWLAB Clinical centrifuge

Model	Ord.No	Description
 HW12M	C-13000	Widely use in clinical labs and donation centers. The package including HW12M centrifuge with a fixed-angle rotor for 12×15ml centrifuge tube, and three sets of adapter for 12×10ml/7ml/5ml/3ml blood collection tubes and 12×1.5ml/2.0ml microtube.

# HWLAB<sup>®</sup> Microplate centrifuge

Microplate centrifuge



## Description

HWLAB<sup>®</sup> Microplate centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 500r/min to 2000r/min
- Timer, from 15s to 99min, or continuous operation
- Wide applicable range. Suitable for skirted and non-skirted of all standard of PCR plates and maximum loading of 28mm deepwell plates
- Super capacity, it can running for 2 or 4 PCR 96-well plates and 2 deepwell plates
- Humanized design. Three operating modes can choose, including short spin/ setting time/continuous operation
- Lid automatically open at the end of the run to prevent sample warming and to reduce handing time

## Technical specifications

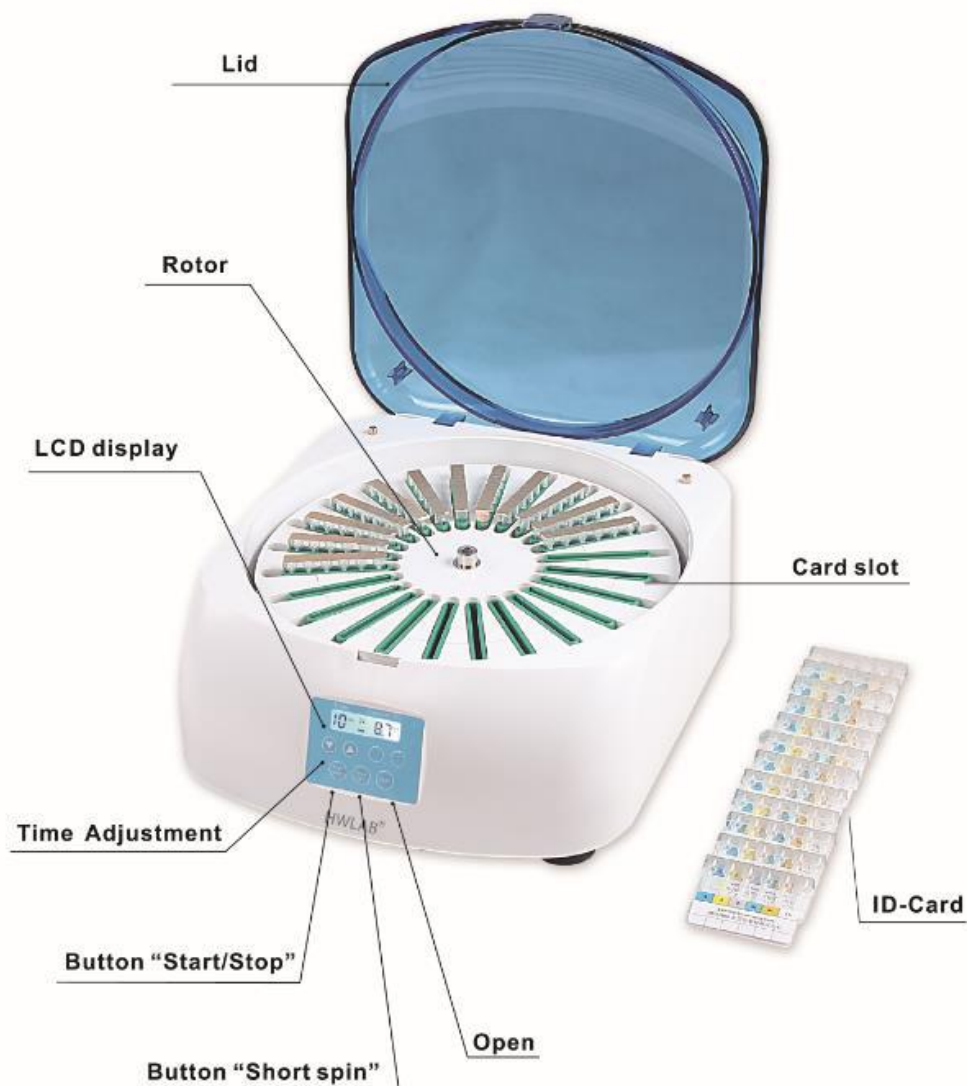
Description	HW2
Maximum rcf	500xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	4 x 96-well plates / 2 x deepwell plates
Speed	From 500r/min to 2000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	370x330x175mm
Weight	10.5kg



## Ordering information: HWLAB<sup>®</sup> Microplate centrifuge

Model	Cat.NO	Description
 HW2	C-16000	Widely uses in clinical labs and donation centers

# HWLAB® ID-Card centrifuge



ID-Card centrifuge

## Description

HWLAB® ID-Card centrifuge is widely used in hospital, clinical Labs and blood donation centers. This is a specially centrifuge developed for ID-System with a capacity of 24 ID-Cards.

## Product features

### Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Fixed speed 870r/min, rcf is 85xg
- Timer, from 15s to 99min, or continuous operation
- Suitable for 24 ID-Cards.
- Humanized design. Three operating modes can choose, including short spin/ setting time/continuous operation
- Lid automatically open at the end of the run to prevent sample warming and to reduce handing time

## Technical specifications

Description	HW24C
Maximum rcf	85xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	24 ID cards
Speed	870r/m
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	370x330x175mm
Weight	11kg

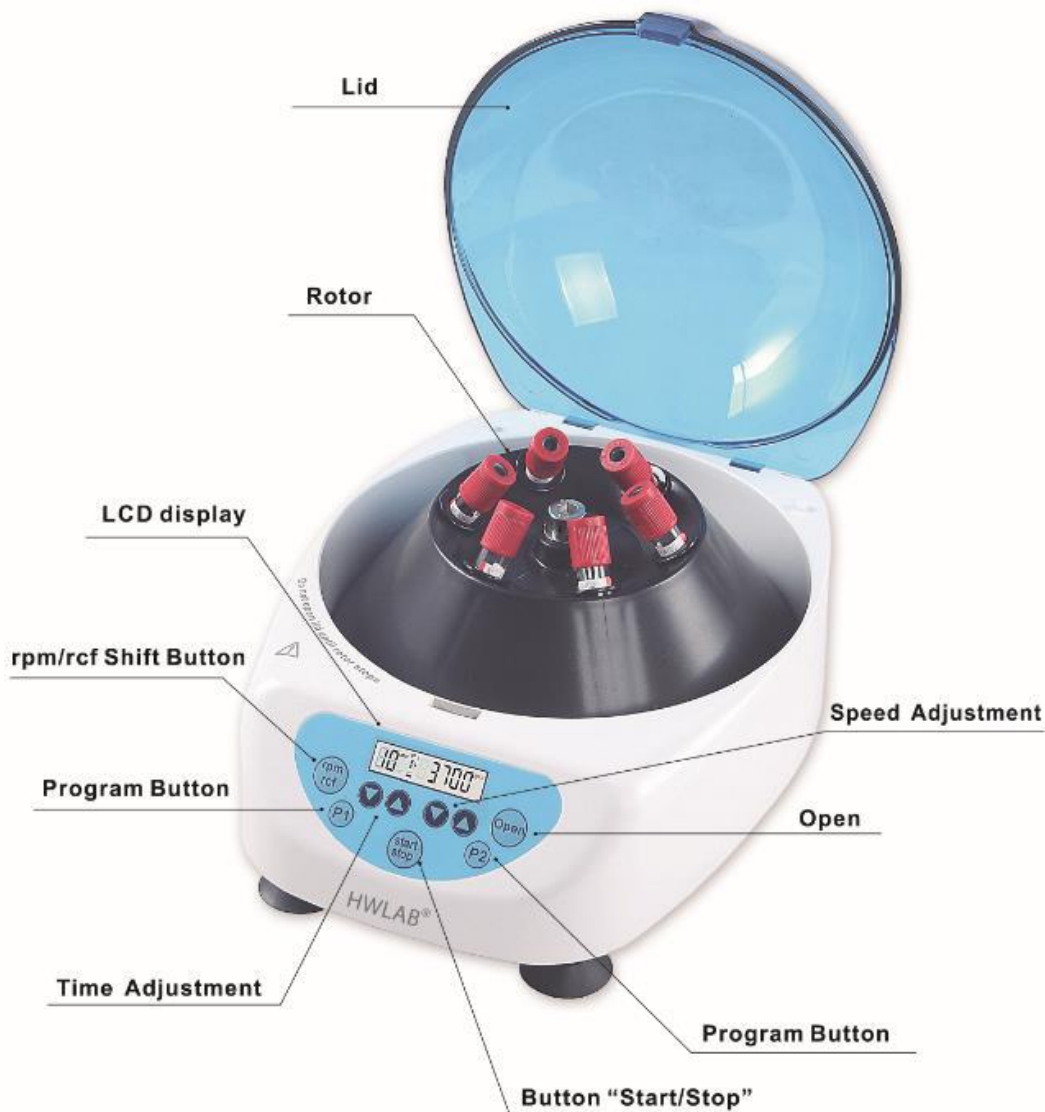


## Ordering information: HWLAB ID-Card centrifuge

Model	Cat.NO	Description
 HW24C	C-17000	Widely uses in hospital, clinical labs and donation centers



# HWLAB® Mini combo centrifuge



## Description

HWLAB® mini combo centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Automatic rotor recognition with speed limitation
- Adjustable speed from 300r/min to 5000r/min or from 500r/min to 8500r/min or from 500r/min to 12000r/min
- Timer, from 15s to 99min, or continuous operation
- For 6×15ml/10ml/7ml/5ml/3ml blood collection tube or 4×50ml centrifuge tube or 24×75mm hematocrit tube or 12×0.5ml+12×1.5ml/2.0ml+4×8×0.2ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handling time
- Two program button P1/P2 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection

## Technical specifications

Description	HW6C
Maximum rcf	2500xg/4850xg/13680xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	For 6×15ml/10ml/7ml/5ml/3ml blood collection tube or 4×50ml centrifuge tube or 24×75mm hematocrit tube or 12×0.5ml+12×1.5ml/2.0ml+4×8×0.2ml microtube
Speed	From 300r/min to 5000r/min or from 500r/min to 8500r/min or from 500r/min to 12000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	212x270x156mm
Weight	5.0KG

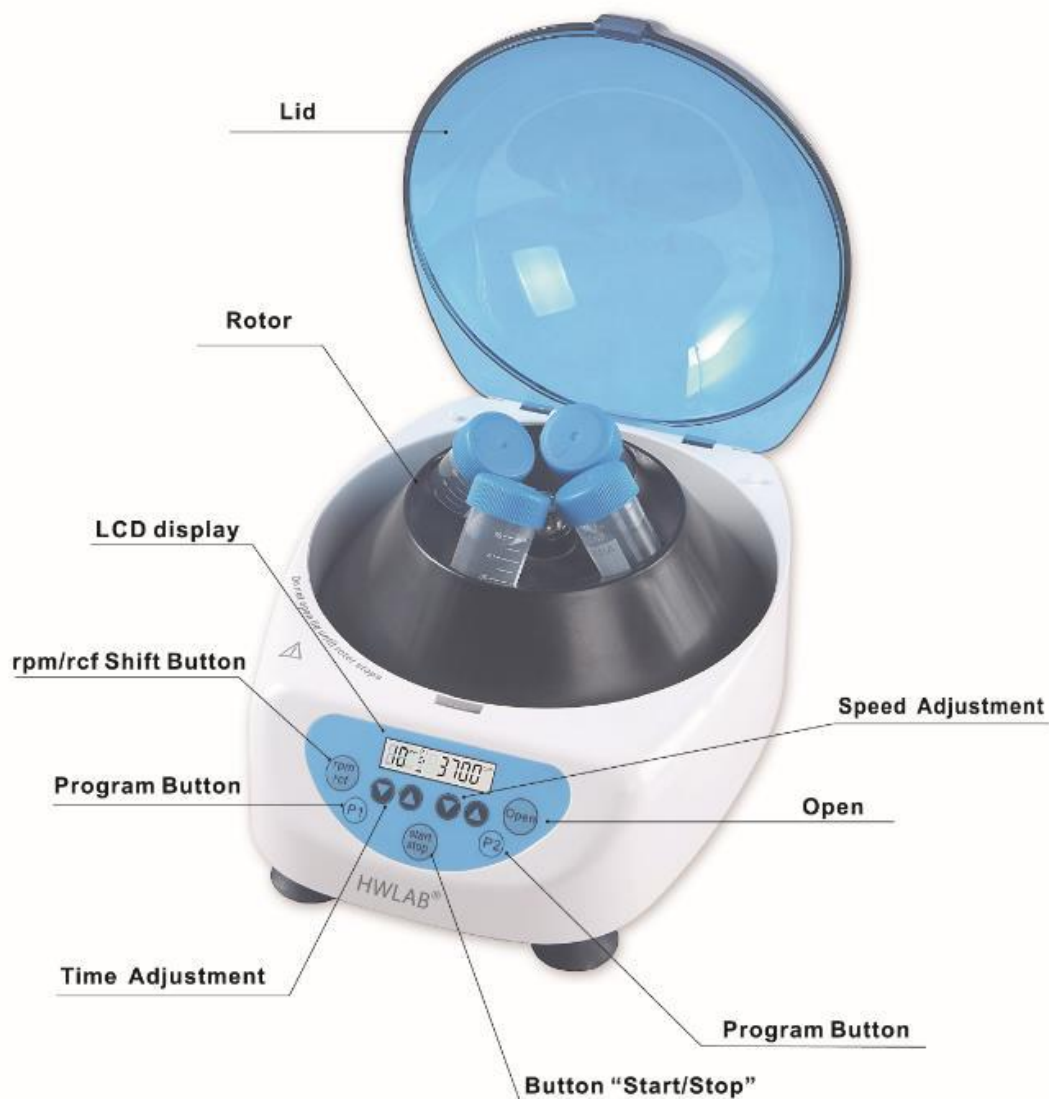


## Ordering information: HWLAB Mini combo centrifuge

Model	Ord.No	Description
 HW6C	C-18000	Widely use in clinical labs and donation centers The package including HW6C centrifuge with four rotors for 6×15ml/10ml/7ml/5ml/3ml blood collection tube or 4×50ml centrifuge tube or 24×75mm hematocrit tube or 12×0.5ml+12×1.5ml/2.0ml+4×8×0.2ml microtube

# HWLAB® Mini clinical centrifug

Mini clinical centrifuge



## Description

HWLAB® mini clinical centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features

### Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 5000r/min
- Timer, from 15s to 99min, or continuous operation
- For 4×10ml/7ml/5ml/3ml blood collection tube or 4×50ml/15ml centrifuge tube or 4×1.5ml/2.0ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handing time
- Two program button P1/P2 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection

## Technical specifications

Description	HW4M
Maximum rcf	2500xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	4×50ml/15ml/10ml/7ml/5ml/3ml/1.5ml tubes
Speed	From 300r/min to 5000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	212x270x158mm
Weight	4.5KG



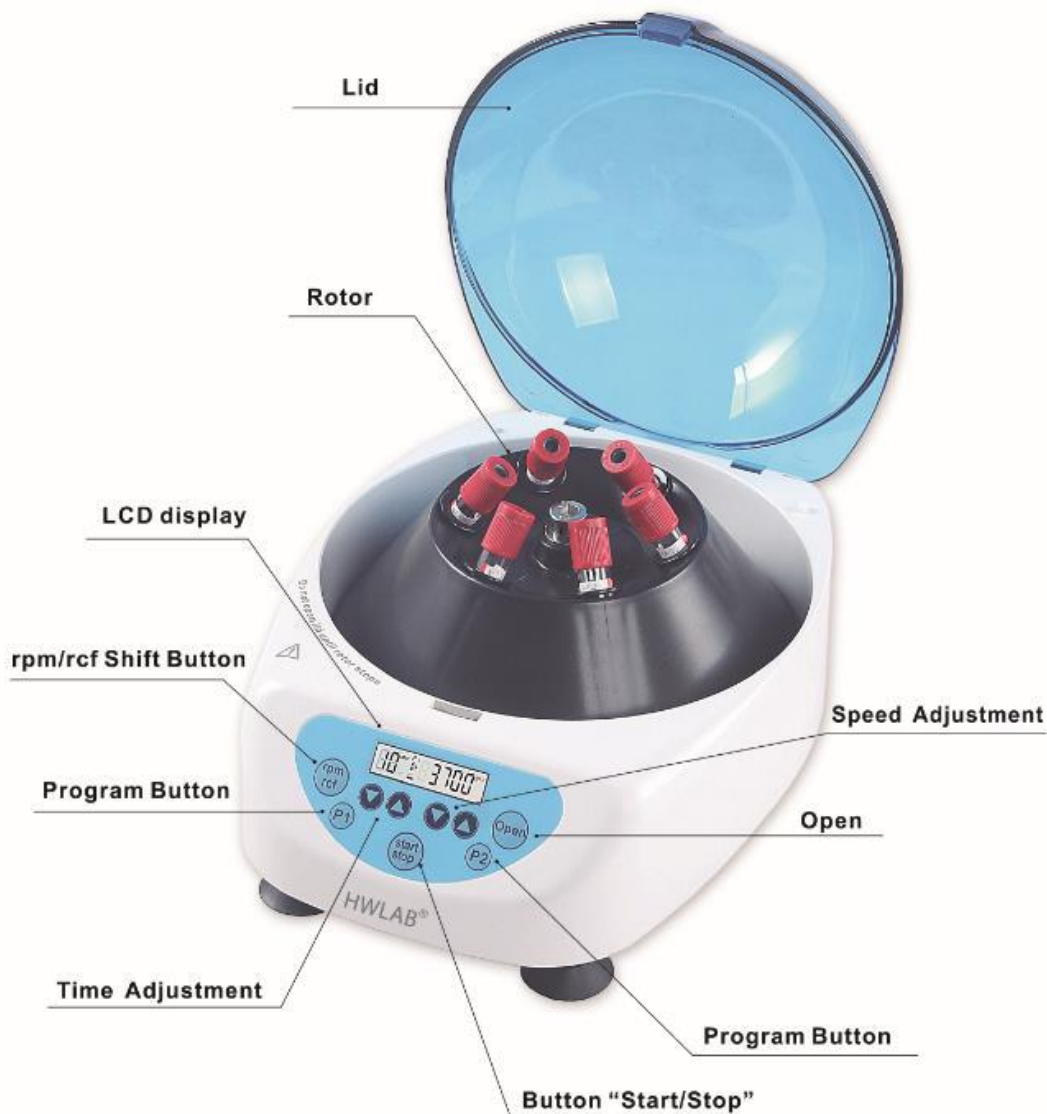
## Ordering information: HWLAB Clinical centrifuge

Model	Ord.No	Description
 HW4M	C-15000	Widely use in clinical labs and donation centers. The package including HW4M centrifuge with a fixed-angle rotor for 4×50ml centrifuge tube, and four sets of adapter for 4×10ml/7ml/5ml/3ml blood collection tubes and 4×15ml centrifuge tube as well as 4×1.5ml/2.0ml microtube.



# HWLAB® Mini clinical centrifuge

Mini clinical centrifuge



## Description

HWLAB® mini clinical centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 300r/min to 5000r/min
- Timer, from 15s to 99min, or continuous operation
- For 6×10ml/7ml/5ml/3ml blood collection tube or 6×15ml centrifuge tube or 6×1.5ml/2.0ml microtube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handling time
- Two program button P1/P2 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection

## Technical specifications

Description	HW6M
Maximum rcf	2500xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	6×15ml/10ml/7ml/5ml/3ml/1.5ml tubes
Speed	From 300r/min to 5000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	212×270×158mm
Weight	4.5KG

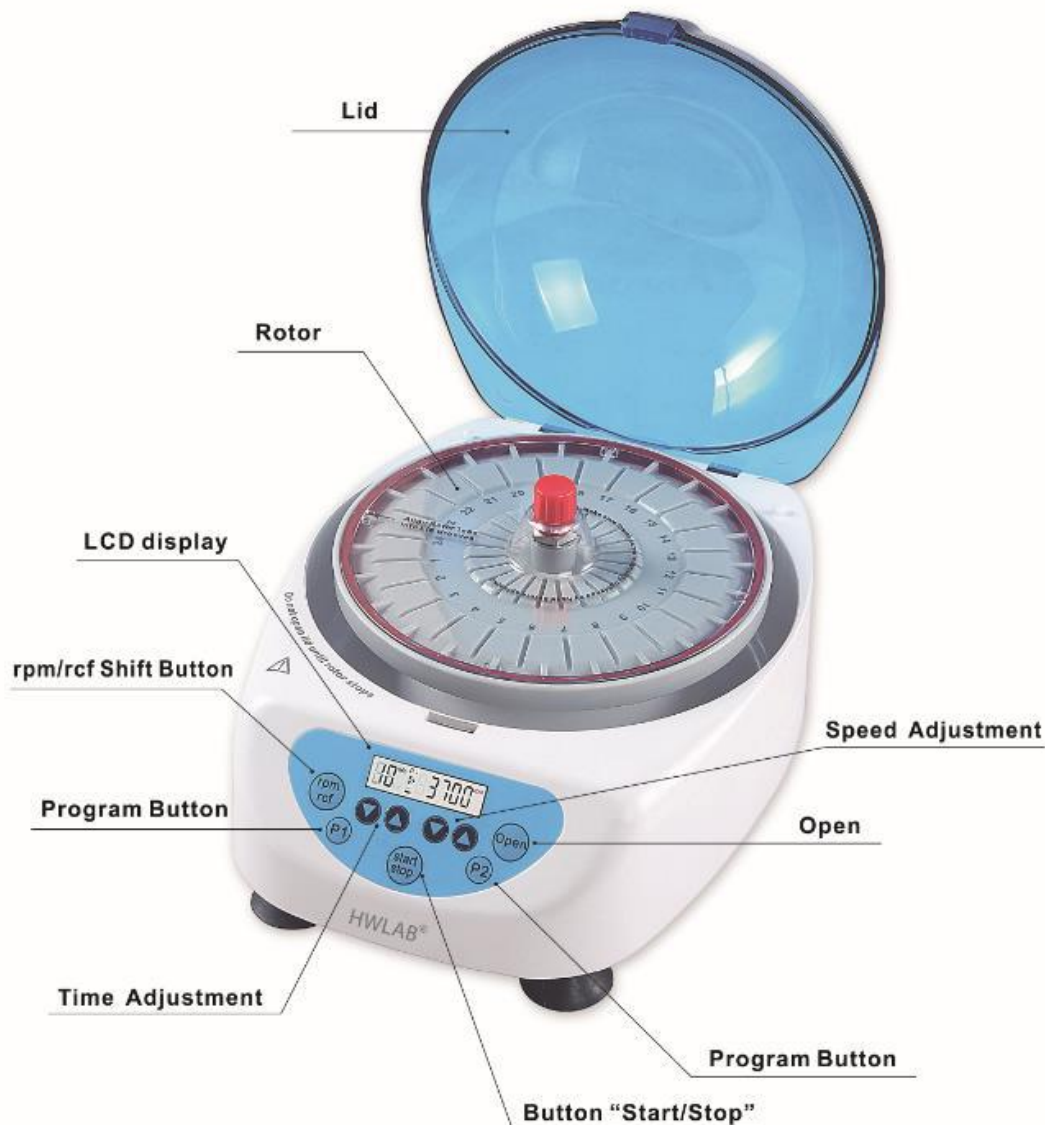


## Ordering information: HWLAB Clinical centrifuge

Model	Ord.No	Description
 HW6M	C-12000	Widely use in clinical labs and donation centers. The package including HW6M centrifuge with a fixed-angle rotor for 6×15ml centrifuge tube, and three sets of adapter for 6×10ml/7ml/5ml/3ml blood collection tubes and 6×1.5ml/2.0ml microtube.

# HWLAB<sup>®</sup> Hematocrit centrifuge

Hematocrit centrifuge



## Description

HWLAB<sup>®</sup> Hematocrit centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features


- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 500r/min to 12000r/min
- Timer, from 15s to 99min, or continuous operation
- For 24×75mm hematocrit tube
- Lid automatically open at the end of the run to prevent sample warming and to reduce handling time
- Two program button P1/P2 for easy access to routine programs
- The button rpm/rcf for easy to shift
- Automatic rotor imbalance detection

## Technical specifications

Description	HW24H
Maximum rcf	13680xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	24×75mm hematocrit tubes
Speed	From 500r/min to 12000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	212x270x158mm
Weight	4.5kg

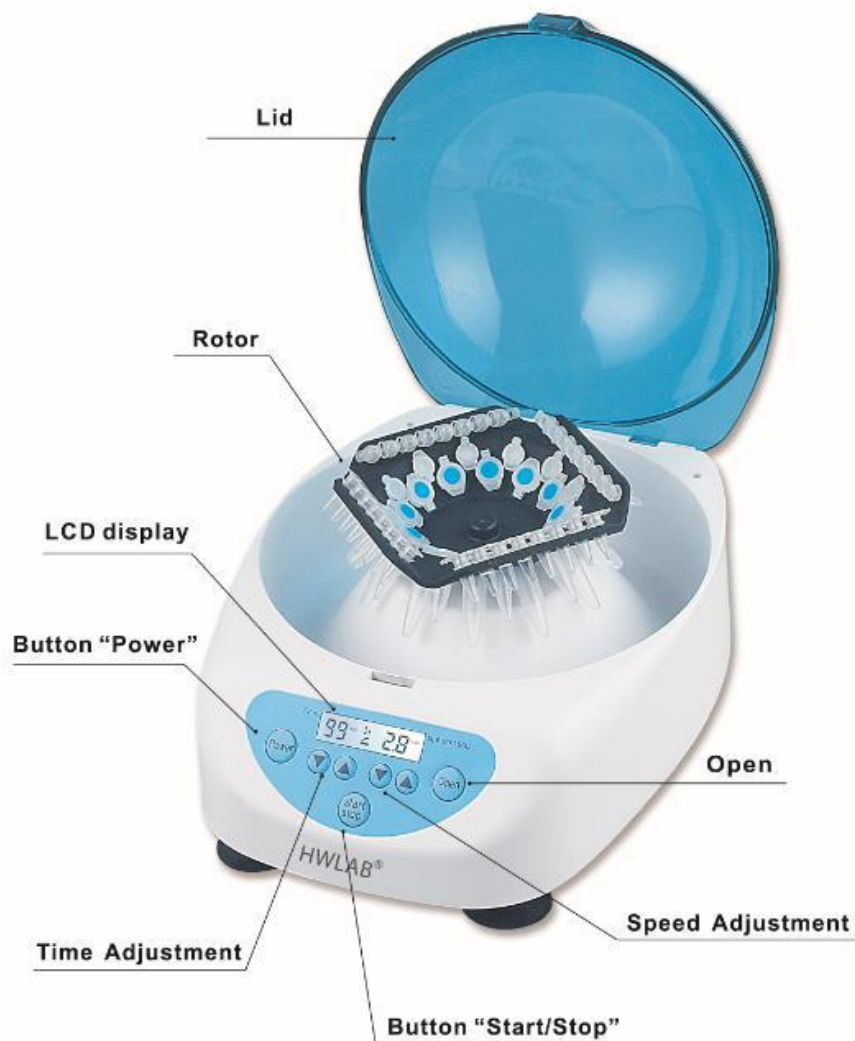


## Ordering information: HWLAB Clinical centrifuge

Model	Ord.No	Description
 HW24H	C-11000	Widely use in clinical labs and donation centers. The package including HW24H centrifuge with a hematocrit rotor for 24×75mm hematocrit tube.



# HWLAB<sup>®</sup> Microtube centrifuge



Microtube centrifuge

## Description

HWLAB<sup>®</sup> Microtube centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features



- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 500r/min to 8500r/min
- Timer, from 15s to 99min, or continuous operation
- 12×0.5ml + 12×1.5ml/2.0ml + 4×8×0.2ml capacity rotor
- Lid automatically open at the end of the run to prevent sample warming and to reduce handling time

## Technical specifications

Description	HW56
Maximum rcf	4850xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	12×0.5ml + 12×1.5ml/2.0ml + 4×8×0.2ml
Speed	From 500r/min to 8500r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	212x270x158mm
Weight	4.3kg



## Ordering information: HWLAB<sup>®</sup> Microtube centrifuge

Model	Cat.NO	Description
 HW56	C-10000	Widely used in clinical labs and donation centers
 HW56.1	C-10001	For 12x0.5ml, 12x1.5ml/2.0ml, 4x8x0.2ml tubes

# HWLAB® Multi-function mini centrifuge

Multi-function mini centrifuge



## Description

HWLAB® Multi-function mini centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features

- Maintenance-free brushless motor
- LCD display of time and speed
- Adjustable speed from 1000r/min to 12000r/min
- Timer, from 15s to 99min, or continuous operation

## Technical specifications

Description	HW6
Maximum rcf	6900xg
Power supply	AC100V-240V/50-60Hz
Rotor capacity	6x1.5ml/2.0ml, 2x8x0.2ml, 4x5ml, 12x30mm/40mm
Adapter	6x0.2ml/0.5ml, 4x1.3ml
Speed	From 1000r/min to 12000r/min
Timer	15s-99min / continuous operation
Motor type	Brushless motor
Dimension	200 X 160 X 130mm
Weight	0.9kg



## Ordering information: HWLAB® Multi-function mini centrifuge

Model	Cat.NO	Description
+	L-2109	HW6 centrifuge with rotor#1 and rotor#2 for 6x1.5ml/2.0ml tubes and 2x8x0.2 PCR tubes, adapter for 0.2ml/0.5ml tubes.
+	L-2109A	HW6 centrifuge with rotor#3 for 4x5ml tubes, adapter for 1.3ml tubes.
+	L-2109B	HW6 centrifuge with rotor#4 for 12x30mm/40mm hematocrit tubes.
+	L-2109C	HW6 centrifuge with rotor#5 for 6x1.5ml/2.0ml tubes and 6x0.5ml tubes as well as 2x8x0.2 PCR tubes.
	L-2109B1	Suitable for rotor#4, 40mm length, plain, non-heparinized, 200pcs/vial, 20 vial/box.



# HWLAB® High speed mini centrifuge

High speed mini centrifuge



## Product features

- LCD display of time and speed
- 12x1.5ml/2.0ml capacity rotor
- Spin up to 15100xg (15000r/min)
- Metal rotor is autoclavable at 121°C in 20 minutes
- Adjustable speed from 800r/min to 15000r/min
- Double voltage, wide frequency, AC 110V/240V, 50-60Hz
- Separate Short Spin button for fast, convenient quick spins
- Excellent air flow minimizes heating-protects temperature-sensitive samples
- Lid automatically open at the end of the run to prevent sample warming and to reduce handling time
- Maintenance-free drive

## Description

HWLAB® HW12 high speed mini centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Technical specifications

Description	HW12
Maximum rcf	15100xg
Speed	from 800r/min to 15000r/min
Rotor capacity	12 x 1.5ml/2.0ml
Timer	15s to 99min
Power supply	AC110V/240V, 50-60Hz
Dimension	23 x 22 x 13cm
Quantity per carton	2pcs
G.W.	12.0kg
Dimension per carton	58 x 34 x 28cm



## Ordering information: HWLAB® High speed mini centrifuge

Cat.NO	Description
L-2106	HW12 high speed centrifuge, incl. Rotor R-12-12
L-2110	Rotor R-12-12 for 12x1.5ml/2.0ml tubes

# HWLAB® Multi speed mini centrifuge

Multi speed mini centrifuge

## Description

HWLAB® Multi speed mini centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features

- Unique shape design
- LED speed display
- Adjustable speed from 1000r/min to 12000r/min
- Wide voltage, wide frequency

## Technical specifications

Description	LED12k
Maximum rcf	6900xg
Speed	from 1000r/min to 12000r/min
Rotor capacity	6 x 1.5ml/2.0ml, 2 x 8 x 0.2ml, 4 x 5ml, 12 x 30mm/40mm
Adapter	6 x 0.2ml/0.5ml, 4 x 1.3ml
Power supply	AC100V-240V/50-60Hz
Dimension	17 x 15 x 13cm
Quantity per carton	4pcs
G.W.	6.0kg
Dimension per carton	44 x 40 x 36cm



Rotor #1



Rotor #2



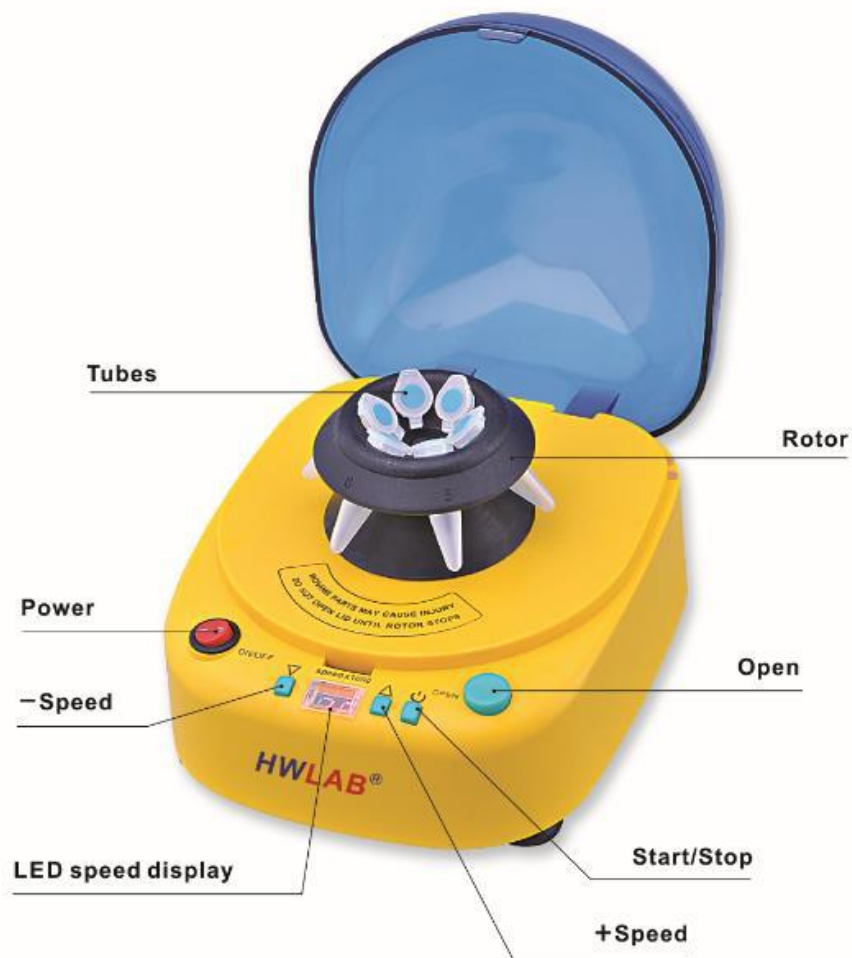
Rotor #3



Rotor #4

## Ordering information: HWLAB® Multi speed mini centrifuge

Model	Cat.NO	Description
LED 12k	L-2101	Widely used in clinical labs and donation centers
Rotor #1	L-2102	For 6x0.2ml/0.5ml/1.5ml/2.0ml tubes
Rotor #2	L-2103	For 2x8x0.2ml tubes
Rotor #3(Purchase)	L-2104	For 4x1.3ml/5ml tubes
Rotor #4(Purchase)	L-2105	For 12x30mm/40mm capillary tubes





# HWLAB® Three speed mini centrifuge

Three speed mini centrifuge

## Description

HWLAB® three speed mini centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features

- Unique shape design
- Speed adjustment button
- Low noisy
- Wide voltage, wide frequency

## Technical specifications

Description	AC 4k-6k-10k	DC 4k-6k-10k
Maximum rcf	770xg/1700xg/4800xg	770xg/1700xg/4800xg
Speed	4000r/min, 6000r/min 10000r/min	4000r/min, 6000r/min 10000r/min
Rotor capacity	6 x 1.5ml/2.0ml, 2 x 8 x 0.2ml	
Adapter	6 x 0.2ml/0.5ml	
Power supply	AC 100V-240V 50-60Hz	DC 12V
Dimension	17 x 15 x 13cm	
Quantity per carton	4pcs	
G.W.	6.0kg	
Dimension per carton	44 x 40 x 36cm	



Rotor #1



Rotor #2

## Ordering information: HWLAB® Three speed mini centrifuge

Cat.NO	Description
L-2099	AC 4k-6k-10k mini centrifuge, incl. Rotor #1 and Rotor #2, adapter for 0.2ml/0.5ml tubes
L-2100	DC 4k-6k-10k mini centrifuge, incl. Rotor #1 and Rotor #2, adapter for 0.2ml/0.5ml tubes
L-2102	Rotor #1 for 1.5ml/2.0ml tubes
L-2103	Rotor #2 for 2x8x0.2ml PCR tubes
L-2107	Adapter for 0.2ml/0.5ml tubes



# HWLAB® Single speed mini centrifuge



Single speed mini centrifuge

## Description

HWLAB® single speed mini centrifuge is widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features

- Unique shape design
- Unique open button
- Low noisy
- Wide voltage, wide frequency

## Technical specifications

Description	4k	6k	10k
Maximum rcf	770xg	1700xg	4800xg
Speed	4000r/min	6000r/min	10000r/min
Rotor capacity	6 x 1.5ml/2.0ml, 2 x 8 x 0.2ml		
Adapter	6 x 0.2ml/0.5ml		
Power supply	AC100V-240V/50-60Hz		
Dimension	17 x 15 x 13cm		
Quantity per carton	4pcs		
G.W.	6.0kg		
Dimension per carton	44 x 40 x 36cm		



Rotor #1



Rotor #2

## Ordering information: HWLAB® Single speed mini centrifuge

Cat.NO	Description
L-2096	4k mini centrifuge, incl. Rotor #1 and Rotor #2, adapter for 0.2ml/0.5ml tubes
L-2097	6k mini centrifuge, incl. Rotor #1 and Rotor #2, adapter for 0.2ml/0.5ml tubes
L-2098	10k mini centrifuge, incl. Rotor #1 and Rotor #2, adapter for 0.2ml/0.5ml tubes
L-2102	Rotor #1 for 1.5ml/2.0ml tubes
L-2103	Rotor #2 for 2 x 8 x 0.2ml PCR tubes
L-2107	Adapter for 0.2ml/0.5ml tubes





# SHAKERS

- Multi-function shaker
- Rolling shaker
- Wheel shaker
- Rotation shaker
- Orbital shaker
- Rocking shaker
- 3D shaker

In 2014, HWLAB® first produced the multi-function shaker and displayed this product at Analytica Germany 2014. HWLAB® are extending it's shaker line by incorporating advanced technology with unique designs.

# HWLAB® Multi-function Shaker

Multi-function Shaker

MX1



## Description

HWLAB® Multi-function Shaker suitable for shaking tasks with all small vessels and microplates, widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.

## Product features

- Suitable for shaking tasks with all small vessels and microplates
- LCD display of time and speed
- Wide range of attachments
- Timer with countdown function
- Adjustable speed from 300r/min to 3000r/min
- Timer, from 1s to 24h or continuous operation
- Wide voltage, wide frequency, AC 100V-240V, 50-60Hz
- Maintenance-free brushless motor
- Shaker diameter 4.5mm

## Technical specifications

Description	MX1
Voltage	AC 100-240V
Frequency	50-60Hz
Speed range	300r/min-3000r/min
Timer	1s-24h / continuous operation
Shaking motion	Orbital
Orbital diameter	4.5mm
Display	LCD display speed and time
Motor type	Brushless motor
Dimension	210 X 150 X 65mm
Weight	2.5kg

## Ordering information: HWLAB® Multi-function Shaker

Model	Ord.No	Description
MX 1 Multi-function Shaker	H-10000	Suitable for mixing tasks with all small vessels and microplates
MX 1.1 Standard attachment	H-10001	For test tubes and small vessels upto Ø50 mm
MX 1.2 Round attachment	H-10002	For different rubber foam inserts
MX 1.3 Microplate attachment	H-10003	For one microplate
MX 1.2.1 Microdish attachment	H-10004	For inserting into the round attachment
MX 1.2.2 Test tube insert	H-10005	You can make holes as you like
MX 1.2.3 Test tube insert	H-10006	For 14 test tubes Ø 10 mm
MX 1.2.4 Test tube insert	H-10007	For 6 test tubes Ø 12 mm
MX 1.2.5 Test tube insert	H-10008	For 4 test tubes Ø 16 mm



# HWLAB<sup>®</sup> Rolling Shaker

Rolling Shaker

RM 1



## Description

HWLAB<sup>®</sup> Rolling Shaker with 7 rolls provides smooth rocking and rolling action at infinitely adjustable speed and time, widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.


## Product features

- Unique shape design
- LCD display of time and speed
- Seven rollers extend more space  
Amplitude 23±1mm
- Adjustable speed from 10r/min to 100r/min
- Timer, from 1s to 24h or continuous operation
- Wide voltage, wide frequency, AC 100V-240V, 50-60Hz
- Maintenance-free brushless motor

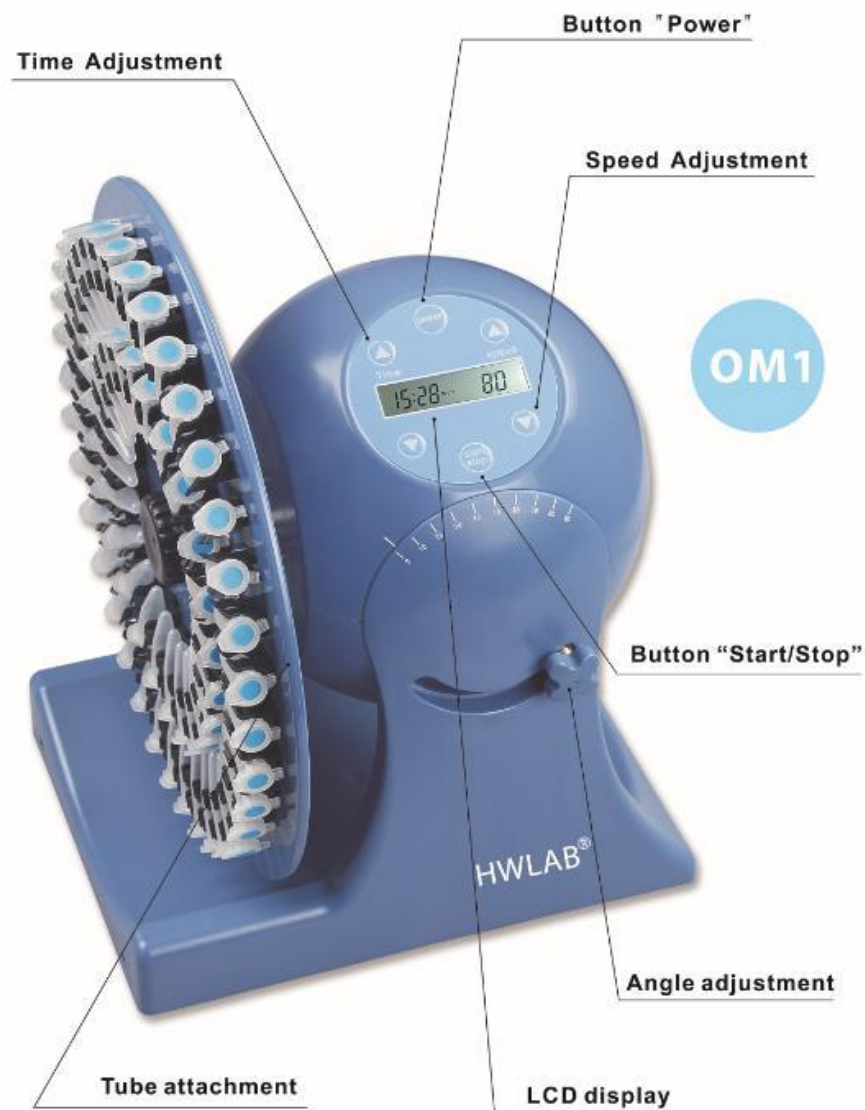
## Technical specifications

Description	RM1
Input	AC 100-240V / 50-60Hz
Number of rolls	7
Speed range	10r/min-100r/min
Timer	1s-24h / continuous operation
Shaking motion	Rocking and rolling
Amplitude	23±1mm
Display	LCD display speed and time
Motor type	Brushless motor
Dimension	430 X 270 X 100mm
Weight	2.7kg

## Ordering information: HWLAB<sup>®</sup> Rolling Shaker

Model	Ord.No	Description
 RM 1 Rolling Shaker	H-11000	with 7 rolls provides smooth rocking and rolling action at infinitely adjustable speed and time

# HWLAB® Wheel Shaker



## Description

Rotate your samples smoothly and effectively. Ideal for biological samples, particularly blood samples and also suitable for separating and mixing of powdered and liquid samples in multiple tube sizes as large as 50 ml conical tubes. Easily removable attachments provide for quick cleaning in case of sample spills.



## Technical specifications

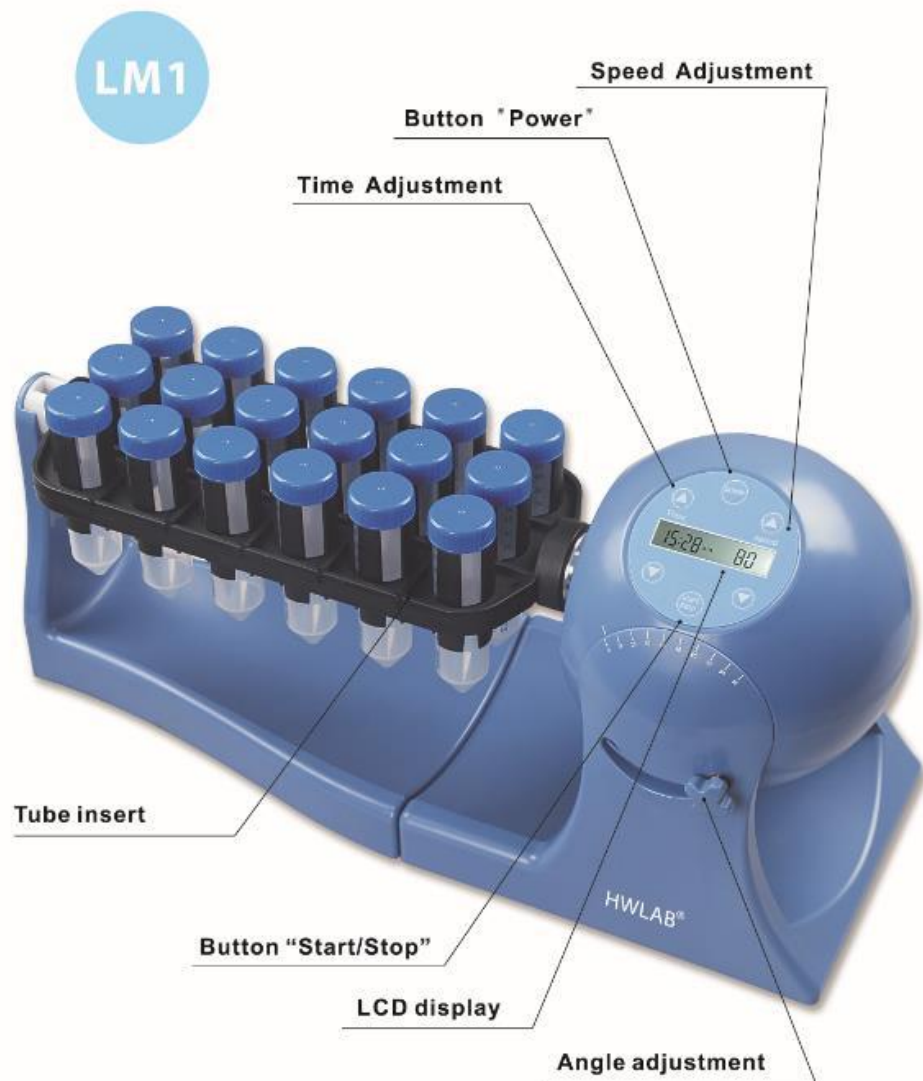
Description	OM1
Voltage	AC 100-240V
Frequency	50-60Hz
Speed range	10r/min-80r/min
Timer	1s-24h / continuous operation
Shaking motion	Rotating
Angle	Adjustable from 0° – 90°
Display	LCD display speed and time
Motor type	Brushless motor
Dimension	240 X 185 X 260mm
Weight	3.0kg

## Ordering information: HWLAB® Wheel Shaker

Model	Ord.No	Description
OM1 Wheel shaker	H-12000	Wheel shaker, incl Tube attachments OM1.1 OM1.2 OM1.3 OM1.4
OM1.1 Tube attachment	H-12001	60 x 1.5ml/2.0ml microcentrifuge tubes, ø10mm
OM1.2 Tube attachment	H-12002	18 x 5ml tubes, ø12mm
OM1.3 Tube attachment	H-12003	18 x 15ml centrifuge tubes, ø16mm
OM1.4 Tube attachment	H-12004	9 x 50ml centrifuge tubes, ø28mm
OM1.6.1 Clips	H-12006	60 x 1.5ml/2.0ml tubes, ø10mm, 10pcs
OM1.6.2 Clips	H-12007	18 x 5ml tubes, ø12mm, 10pcs
OM1.6.3 Clips	H-12008	18 x 15ml centrifuge tubes, ø16mm
OM1.6.4 Clips	H-12009	9 x 50ml tubes, ø28mm, 10pcs



# HWLAB® Rotation Shaker



## Description

Rotate your samples smoothly and effectively. Ideal for biological samples, particularly blood samples and also suitable for separating and mixing of powdered and liquid samples in multiple tube sizes as large as 50 ml conical tubes. Easily removable attachments provide for quick cleaning in case of sample spills.





## Product features

- Suitable for separating and mixing of powdered and liquid samples in multiple tube sizes as large as 50 ml conical tubes
- LCD display of time and speed
- Wide range of attachments
- Timer with countdown function
- Adjustable speed from 10r/min to 80r/min
- Timer, from 1s to 24h or continuous operation
- Wide voltage, wide frequency, AC 100V-240V, 50-60Hz
- Maintenance-free brushless motor

## Technical specifications

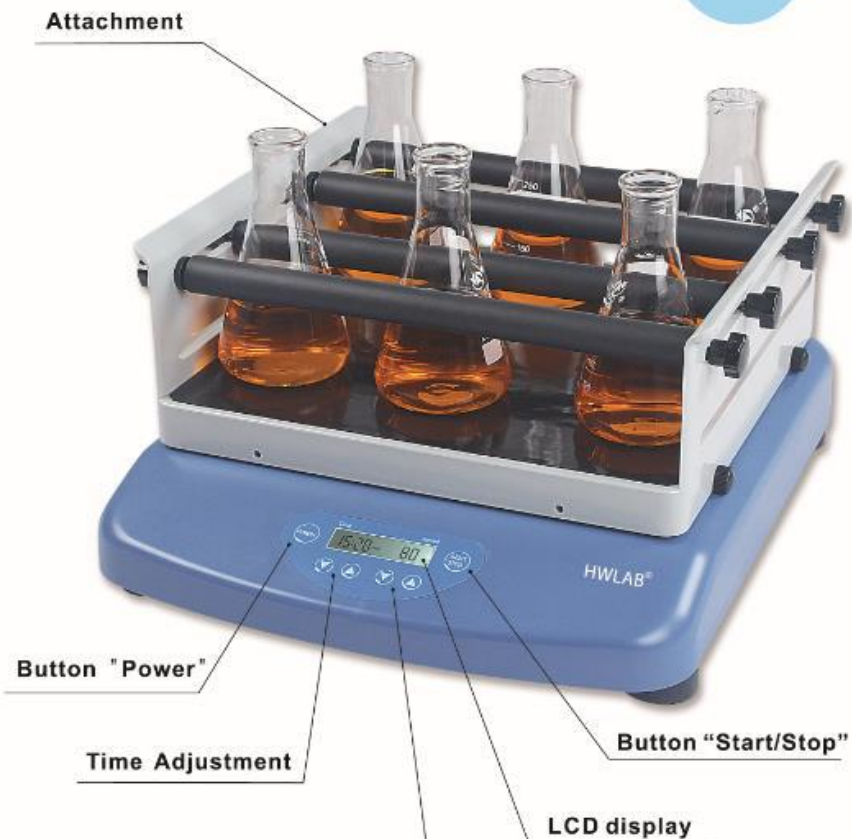
Description	LM1
Voltage	AC 100-240V
Frequency	50-60Hz
Speed range	10r/min-80r/min
Timer	1s-24h / continuous operation
Shaking motion	Rotating
Angle	Fixed
Display	LCD display speed and time
Motor type	Brushless motor
Dimension	500 X 185 X 260mm
Weight	3.5kg

## Ordering information: HWLAB® Rotation Shaker

	Model	Ord.No	Description	
	LM1	Rotation shaker	H-13000	Rotation shaker, incl Tube insert LM1.1 LM1.2 LM1.3 LM1.4
	LM1.1	Tube insert	H-13001	48 x 1.5ml/2.0ml microcentrifuge tubes, ø10mm
	LM1.2	Tube insert	H-13002	36 x 5ml tubes, ø12mm
	LM1.3	Tube insert	H-13003	24 x 15ml centrifuge tubes, ø16mm
	LM1.4	Tube insert	H-13004	18 x 50ml centrifuge tubes, ø28mm

# HWLAB® Orbital shaker

OS



### Triple-eccentric counterbalanced drive

- Dependable operation performance
- High-precision requirements of drive shafts, ensuring stable and vibration-free operation
- Specifically designed to support high speed applications and heavy workloads
- Made of the highest quality materials with superior design and precision fabrication

### Description

HWLAB® Orbital Shaker suitable for shaking tasks with culture dishes, flasks and beakers, widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.




### Product features

- Suitable for shaking tasks with culture dishes, flasks and beakers
- LCD display of time and speed
- Wide range of attachments
- Timer with countdown function
- Adjustable speed
- Timer, from 1 min to 24h or continuous operation
- Wide voltage and frequency
- Maintenance-free brushless motor

### Technical specifications

Description	OS1s	OS1	OS2s
Shaking motion	Orbital	Orbital	Orbital
Orbital diameter	10mm	20mm	30mm
Max.shaking weight	7.5kg	7.5kg	7.5kg
Motor power	40W	40W	40W
Speed range	50r/min - 500r/min	50r/min - 350r/min	30r/min - 250r/min
Timer	1min-24h / continuous operation	1min-24h / continuous operation	1min-24h / continuous operation
Display	LCD display speed and time	LCD display speed and time	LCD display speed and time
Motor type	Brushless motor	Brushless motor	Brushless motor
Dimension	360 X 420 X 100mm	360 X 420 X 100mm	360 X 420 X 100mm
Weight	13kg	13kg	13kg
Voltage	AC 100-240V	AC 100-240V	AC 100-240V
Frequency	50-60Hz	50-60Hz	50-60Hz

### Ordering information: HWLAB® Orbital Shaker

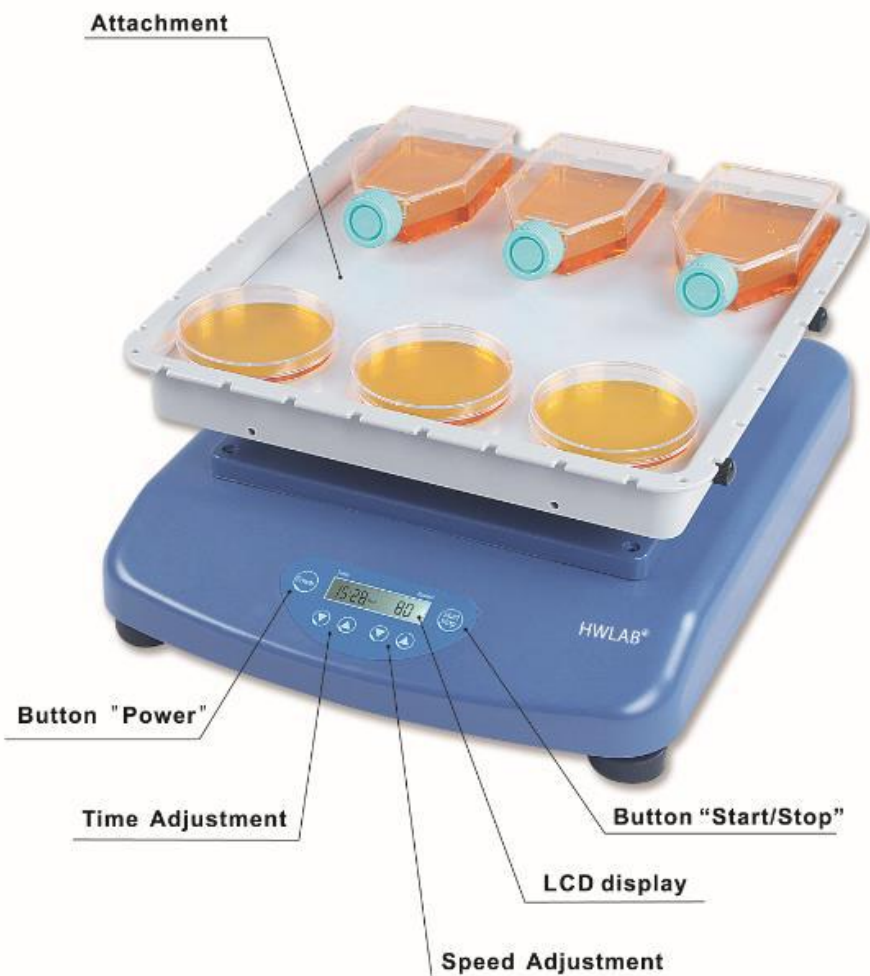
Model	Ord. No	Description
 OS 1s Orbital Shaker	H-15000	Suitable for mixing flasks and beakers. Orbital diameter is 10mm and speed range is 50rpm - 500rpm
 OS 1 Orbital Shaker	H-15001	Suitable for mixing flasks and beakers. Orbital diameter is 20mm and speed range is 50rpm - 350rpm
 OS 2s Orbital Shaker	H-15002	Suitable for mixing flasks and beakers. Orbital diameter is 30mm and speed range is 30rpm - 250rpm

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# HWLAB® Rocking Shaker

RS



## Description

HWLAB® Rocking Shaker suitable for shaking tasks with culture dishes, flasks and beakers, widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.


## Technical specifications

Description	RS1
Shaking motion	Rocking
Angle fixed	8°
Max.shaking weight	10kg
Motor power	40W
Speed range	10r/min - 80r/min
Timer	1min-24h / continuous operation
Display	LCD display speed and time
Motor type	Brushless motor
Dimension	360 X 420 X 100mm
Weight	13kg
Voltage	AC 100-240V
Frequency	50-60Hz

## Product features

- Suitable for shaking tasks with culture dishes, culture bottles
- LCD display of time and speed
- Wide range of attachments
- Timer with countdown function
- Adjustable speed
- Timer, from 1min to 24h or continuous operation
- Wide voltage and frequency
- Maintenance-free brushless motor
- Max shaking weight is 10KG
- Rocking angle fixed is 8°

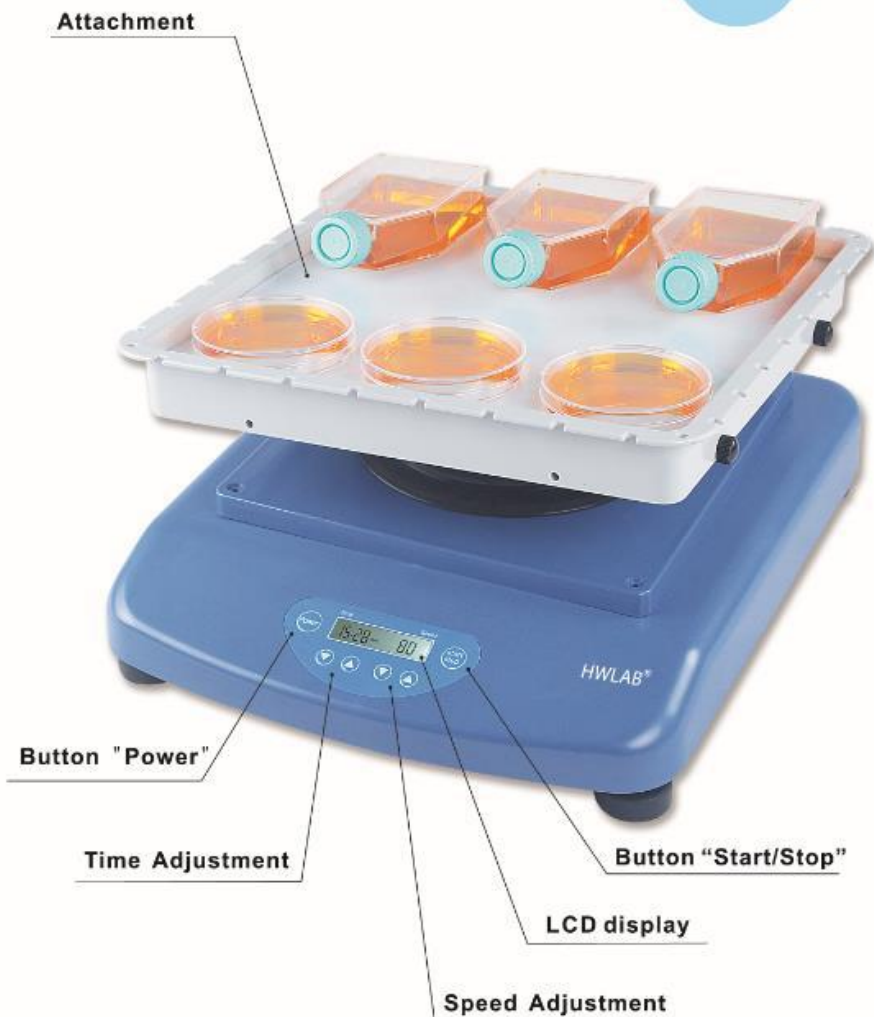
## Ordering information: HWLAB® Rocking Shaker

Model	Ord.No	Description
 RS 1 Rocking Shaker	H-17000	Suitable for mixing culture dishes and culture bottles. Rocking angle fixed is 8 and speed range is 10rpm - 80rpm

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# HWLAB® 3D Shaker

3DS



## Description

HWLAB® 3D Shaker suitable for shaking tasks with culture dishes, flasks and beakers, widely used in physical and chemistry analysis, biochemistry, cellular and molecular biology, clinical Labs and blood donation centers.


## Technical specifications

Description	3DS1
Shaking motion	Tumbling
Angle fixed	8°
Max. shaking weight	7.5kg
Motor power	20W
Speed range	10r/min - 80r/min
Timer	1min-24h / continuous operation
Display	LCD display speed and time
Motor type	Brushless motor
Dimension	360 X 420 X 100mm
Weight	13kg
Voltage	AC 100-240V
Frequency	50-60Hz

## Product features

- Suitable for shaking tasks with culture dishes, culture bottles
- LCD display of time and speed
- Wide range of attachments
- Timer with countdown function
- Adjustable speed
- Timer, from 1min to 24h or continuous operation
- Wide voltage and frequency
- Maintenance-free brushless motor
- Max shaking weight is 7.5KG
- Rocking angle fixed is 8°

## Ordering information: HWLAB® 3D Shaker

Model	Ord. No	Description
 3DS 1 3D Shaker	H-18000	Suitable for mixing culture dishes and culture bottles. Rocking angle fixed is 8° and speed range is 10rpm - 80rpm