

### Smart Personal Centrifuge



**Max. 6000 RPM,  
8 x 1.5 / 2 ml**

- Compact design with better airflow, efficiency and low heat generation
- Electronic safety brake
- Digital display
- Rotor options :  
8 X 1.5 / 2 ml and PCR strips

### Smart Personal Centrifuge (Microprocessor Controlled)



**Max. 6000 RPM,  
8 x 1.5 / 2 ml**

- Variable speed and time setting
- Automatic imbalance detection
- Unparalleled accuracy of + / - 25 RPM
- Electronic safety brake
- Brushless DC motor
- Rotor options :  
8 X 1.5 / 2 ml and PCR strips

### Table Top Genius



**Max. 15000 RPM (15596g)  
12 X 1.5 / 2 ml**

- Brushless DC motor
- Microprocessor controlled
- Quick and convenient HMI
- Automatic imbalance detection
- Rotor options :  
12 X 1.5 / 2 ml tube,  
2 X 8 X 0.2 ml strip and  
24 X 40 mm capillary tube

### High Speed Micro Centrifuge



**Max. 15000 RPM (15596g)  
12 x 1.5 / 2 ml**

- Brushless DC motor
- Microprocessor controlled
- Superior airflow design
- Quick and convenient HMI
- Robust structure with two shell metal enclosure
- Optional USB connectivity
- Rotor options :  
Autoclavable metal rotor  
and PCR rotor

### High Speed Micro Centrifuge



**Max. 15000 RPM (15596g)  
12 X 1.5 / 2 ml**

- Brushless DC motor
- Microprocessor controlled
- Digital display
- Lid lock safety
- Automatic imbalance detection
- Rotor options :  
Hematocrit 24 X 40 mm  
capillary tubes and PCR rotor.

### High Speed Micro Centrifuge



**Max 15000 RPM (18262g)  
18 x 1.5 / 2 ml**

- Brushless DC motor
- Microprocessor controlled
- Large backlit display
- Automatic imbalance detection
- Lid lock safety

## Refrigerated Lab Champion



**Max. 15000 RPM (22388g)  
44 x 1.5 / 2 ml**

- Temperature range from -20°C to +40°C
- Programmable up to 99 programs of 4 lines each
- Speed, time and temperature settings
- Stainless steel rotor chamber
- Brushless DC motor
- Microprocessor controlled

### Rotor Options



8 x 5ml (18461 g)



24 x 2ml (21420 g)



44 x 2ml (22388 g)



4PCR Strip (15397 g)

## Clinical Swing Out / Fixed Angle Centrifuge



**Max. 4000 RPM**

- Programmable up to 99 programs
- Automatic imbalance detection with auto cut-off
- Quick and convenient HMI with speed and time setting
- Low loading height
- One touch RPM to RCF conversion and short spin
- Brushless DC motor

### Rotor Options

**C4000**



Swing out rotor  
6x10 ml | 2270xg



Fixed angle  
8x15ml | 1950xg



Fixed angle  
16x10ml | 2180xg

**CS2P**



Swing out rotor 2 x Microplates

**CS03**



Swing out rotor 2 x 50 ml

## Doctor Centrifuge



**Max. 6500 RPM,  
6 X 15 ml (3784g),  
8 X 15 ml (3873g)**

- Brushless DC motor
- Adaptors for all standard blood collection tubes
- Microprocessor controlled
- Automatic imbalance detection
- Lid lock safety

## Hematocrit Centrifuge



**Max 15000 RPM (18262g)  
18 x 1.5 / 2 ml**

- Brushless DC motor
- Microprocessor controlled
- Automatic imbalance detection
- Set favourite program
- Lid lock safety
- Supplied with reading device

## Versatile Lab Centrifuge Without / With Refrigeration



### Max. 4500 RPM

- Brushless DC motor
- Microprocessor controlled
- Automatic imbalance detection
- Selection of acceleration and deceleration rate
- Lid lock safety
- Multiple swing and fixed angle rotor option
- Temperature range from -10°C to +40°C (For L30PR)

### MULTIPLE ROTOR OPTIONS

#### Swing Out Rotors

Rotor No.	Capacity
L30-125	16 x 15 ml
L30-126	12 x 15 ml
L30-127	8 x 15 ml
L30-128	6 x 50 ml
L30-129	4 x 50 ml
L30-130	4 x 100 ml
L30-124	2 Micro plates

#### Fixed Angle Rotors

Rotor No.	Capacity
L30-131	16 x 15 ml
L30-132	12 x 15 ml
L30-133	8 x 15 ml
L30-134	6 x 50 ml
L30-135	4 x 50 ml
L30-136	4 x 100ml
L30-137	24 x 15 ml
L30-138	30 x 15 ml

## Universal Lab Centrifuge



### Max. 15000 RPM (18270g)

- Brushless DC motor
- Microprocessor controlled
- Variable speed and time setting
- Automatic imbalance detection
- Lid lock safety
- Store up to 99 programs
- 11 Optional rotors

Rotor Name	Max Speed (RPM)	Max RCF x g
6x10ml Swing-out Rotor (100mm tube)	4000	2270
6x10ml Swing-out Rotor (75mm tube)	4000	1840
8x15ml Fix angle Rotor	5000	3050
16x10ml Fix angle Rotor	5000	3400
3x50ml Swing-out Rotor	3200	1480
2x96 well PCR plate Rotor	2200	560
18x2ml tube Rotor	15000	18270
12x2ml tube Rotor	15000	15750
2 strip PCR Rotor	15000	13260
24x75mm - Haematocrit Rotor	12000	14220
10x5ml Rotor	13500	15920
24x2ml & 0.2ml PCR combined Rotor	13000	16260

## Universal Lab Centrifuge



### Max. 15000 RPM (22388g)

- BLDC Motor
- Microprocessor controlled
- Large back - lite LCD display
- Auto rotor detection
- Accommodates up to 16 different rotors
- Max. Capacity 4 x 100 ml (Swing out & Fixed angle)

### MULTIPLE ROTOR OPTIONS

#### Fixed Angle Rotors

Capacity	RPM	RCF
24 x 2 ml	15000	21420
4 x 8 PCR	15000	15397
8 x 5 ml	15000	18461
44 x 2 ml	15000	22388
4 x 100 ml	6000	4628
4 x 50 ml	6000	4750
6 x 15 ml	6000	4910
16 x 15 ml	6000	4910
24 x 15 ml	6000	5070
30 x 15 ml	6000	4870

#### Swing Out Rotors

Capacity	RPM	RCF
4 x 100 ml	4500	3164
4 x 50 ml	4500	3485
16 x 15 ml	4500	3485
32 x 10 ml	4500	3164
2 x Microplates	4500	2377

## Digital Vortex Mixer



### Max. 4200 RPM, 4 mm Ø

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Auto adjustment to achieve the speed for different load condition
- ♦ Choose between touch, continuous and stand-by mode
- ♦ Set time from 1 - 999 minutes and continuous mode.
- ♦ IP 42 compliant design
- ♦ Also available as analog version - iSwix (2800 RPM)

### STANDARD ATTACHMENTS



Round Disc

### OPTIONAL ATTACHMENTS



Micro Centrifuge Tube  
20 x 1.5/2ml



96 Well  
Micro Plate



Flask



Cup  
Attachment

## Digital Multi Tube Vortexer



### Max. 2500 RPM, 4mm Ø

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Programmable pulse mode function
- ♦ Variable speed and time setting

### STANDARD ATTACHMENTS



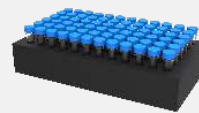
15ml x 45 tubes



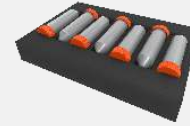
7ml x 60 tubes



50 ml x 18 tubes



1.5/2 ml x 72 tubes



7 x 50 ml  
Quechers assay



250 ml x 6 flasks

## Mini Vortex Mixer



### Max. 4500 RPM, 4.5 mm Ø

- ♦ Die cast base, no walking issue
- ♦ Unique suspension design
- ♦ 3500 RPM - iSwix Jr. (Fixed Speed)
- ♦ 4500 RPM - iSwix Jr. VT (Variable Speed)
- ♦ Brushless DC motor (iSwix Jr. VT)

## Tube Roller



### Max. 30 RPM, 9 x 5 ml

- ♦ Gentle rocking and rolling motion for optimum mixing
- ♦ Speed accuracy of + / - 2 RPM
- ♦ Tool free removal / installation of roller
- ♦ IP class 21
- ♦ Infinite / continuous mode of operation

## Digital Tube Roller



**Max. 80 RPM, 15 x 5 ml**

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Unique run-pause-run programmable pulse mode
- ◆ Infinite / continuous mode of operation
- ◆ Set - up to 9 defined program
- ◆ Variable speed setting from 10 - 80 RPM with accuracy of + / -1 RPM

## Digital Disc Rotator



**Max. 80 RPM**

- ◆ Brushless DC motor
- ◆ Set up to 9 programs
- ◆ Variable speed (10 - 80 RPM) and timer setting
- ◆ Pulse mode function with CW / CCW mixing
- ◆ Set angle from 0 - 90°
- ◆ Multiple disc attachments for 12 X 50 ml, 24 X 15 ml, 44 X 2 ml

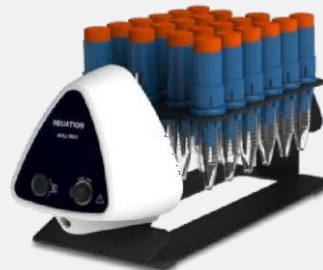
## Disc Rotator



**30 RPM, 12 x 5 ml**

- ◆ Gentle rotatory motion
- ◆ Fixed speed of 30 RPM with accuracy of + / -2 RPM
- ◆ Fixed disc plate angle of 38°
- ◆ Tool free removal / installation of disc plate
- ◆ Suitable for blood +4 ESR tubes

## Plate Rotator



**30 RPM**

- ◆ Speed accuracy of + / -2 RPM
- ◆ Tool free removal / installation of plate
- ◆ Multiple attachments for different tubes 22 X 5 ml, 12 X 15 ml, 4 X 50 ml
- ◆ Noiseless operation

## Digital Plate Rotator



**Max. 80 RPM**

- ◆ Brushless DC motor
- ◆ Variable speed from 10 - 80 RPM with accuracy of + / -1 RPM
- ◆ Variable timer setting from 1 - 999 minutes and infinite mode
- ◆ Set - up to 9 programs
- ◆ Multiple plate options for various tube sizes 35 X 15 ml, 16 X 50 ml, 55 X 2 ml
- ◆ Pulse mode function with CW / CCW mixing

## Motorless Magnetic Stirrer



**Max. 1500 RPM (Uno),  
Max. 1200 RPM (Quattro)**

- ◆ Compact and slim design
- ◆ IP 65 compliant
- ◆ Pulse mode function
- ◆ Variable speed and time setting
- ◆ Corrosion resistant stainless steel top
- ◆ Maintenance free - no moving parts



## Slim Magnetic Stirrer



**Max. 2200 RPM, 10 Ltr.**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Last run memory function
- ♦ Pulse mode function
- ♦ IP 44 compliant
- ♦ Stir up to 2 Ltr. solution per station (iStir Penta+)

## Magnetic Stirrer



**Max. 2200 RPM, 10 Ltr.**

- ♦ Variable speed from 200-2200 RPM (iStir MS10) 400-2200 RPM (iStir MS10a)
- ♦ Digital display (iStir MS10)
- ♦ IP 43 compliant
- ♦ Pulse mode function
- ♦ Non corrosive stainless steel top surface
- ♦ Variable timer setting from 1 - 999 minutes and infinite mode

## Magnetic Stirrer



**Max. 2200 RPM, 200 Ltr.**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Non corrosive stainless steel top
- ♦ Adjustable speed (200 - 2200 RPM) and timer up to infinite
- ♦ IP21 compliant

## High Capacity Magnetic Stirrer



**Max. 1000 RPM, 50 Ltr.  
Max. 600 RPM, 200 Ltr.**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Set acceleration and deceleration rate
- ♦ Adjustable height support
- ♦ Accuracy of + / -10 RPM
- ♦ Power overload safety feature
- ♦ Pulse mode function

## Multi-Station Digital Hot Plate Stirrer



**Max. 1500 RPM,  
400 ml each, 120°C**

- ♦ Brushless DC motor
- ♦ Programmable pulse mode
- ♦ Variable temperature and timer setting
- ♦ IP 42 compliant
- ♦ Available in 5, 10 and 15 position models.
- ♦ Also available in stirrer only version

## Digital Hot Plate Stirrer



**Max. 2200 RPM, 20 Ltr.,  
Up to 550°C**

- ♦ Microprocessor controlled
- ♦ 3 heating mode - rapid, gradual and accurate
- ♦ Chemical / splash proof ceramic plate
- ♦ Highly chemical inert body
- ♦ Safe temperature setting up to 575°C

## Digital Hot Plate Magnetic Stirrer



**Max. 2200 RPM, 20 Ltr.,**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Constant speed across diverse loads and viscosity
- ♦ Slip detection mode
- ♦ Safe temperature setting
- ♦ 3 heating mode - rapid, gradual and accurate
- ♦ 99 user defined programming

## Hot Plate Stirrer



**Max. 2200 RPM,  
10 Ltr., 320°C**

- ♦ Compact design
- ♦ Plug and play operation
- ♦ Variable speed from 500 - 2200 RPM
- ♦ Optional multiple reaction blocks

## Digital Hot Plate Stirrer



**Max. 2200 RPM,  
10 Ltr., 320°C**

- ♦ Microprocessor controlled
- ♦ Set temperature by plate or by probe
- ♦ Choose between ceramic coated, stainless steel or aluminium top plates
- ♦ Variable speed and timer setting
- ♦ Safe temperature circuit

## Slim Overhead Stirrer



**Max. 2200 RPM,  
10 Ltr., 10 Ncm**

- ♦ Brushless DC motor
- ♦ Microprocessor controlled
- ♦ Plug and play operation
- ♦ Viscosity up to 1,000 mPas
- ♦ IP class 42 compliant

## Overhead Stirrer



**Max. up to 2000 RPM,  
40 Ltr., 40 Ncm**

- ♦ Brushless DC motor
- ♦ Viscosity up to 30,000 mPas
- ♦ Variable speed and timer setting
- ♦ Safety cut for overload, over current and over temperature
- ♦ IP 54 compliant
- ♦ Smart control setting

## Overhead Stirrer



**Max. up to 2000 RPM,  
100 Ltr., 100 Ncm**

- ♦ Smart control stirring
- ♦ Power intermittent mode
- ♦ Viscosity up to 70,000 mPas
- ♦ Variable timer setting
- ♦ Safety cut for overload, over current and over temperature

## Digital Microplate Shaker



### Max. 1800 RPM, 2 mm Ø

- ◆ Brushless DC motor
- ◆ Easy loading clamps
- ◆ Even orbital motion
- ◆ Includes attachment for 20 X 2 ml tubes
- ◆ Optional USB connectivity

## Digital 4 Plates Shaker



### Max. 1200 RPM, 3 mm Ø

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Pulse mode and favourite setting
- ◆ Variable speed and time setting
- ◆ Accommodates 4 skirted micro-plates

## Digital 3D Shaker



### Max. 120 RPM

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ 3D rocking / tumbling motion at 7°
- ◆ Variable speed and time setting
- ◆ Unique run-pause-run pulse mode
- ◆ Different tubes from 20 X 15 ml, 16 X 50 ml

## 4 Plates Incubating Shaker



### Max. 1200 RPM, 3 mm Ø, 70°C

- ◆ Incubation range from ambient to 70°C
- ◆ Microprocessor controlled
- ◆ Brushless DC motor
- ◆ Programmable pulse mode
- ◆ Accommodates up to 4 skirted micro-plates

## Digital Incubating Shaker



### Max. 500 RPM, 20 mm Ø, 80°C

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ Save up to 6 programs with 9 sub-programs each
- ◆ Safe temperature setting up to 90°C
- ◆ Orbital motion of 20 mm

## Multipurpose Platform Shaker



### Max 500 RPM, 10 mm Ø (PS10), Max 300 RPM, 20 mm Ø (PS20)

- ◆ Brushless DC motor
- ◆ Microprocessor controlled
- ◆ IP 21 compliant
- ◆ Available in Orbital or Linear motion
- ◆ Program mode for motion, direction, speed, time, dwell time, loop operation and sequence



## Universal Platform Shaker



**Max. 300 RPM, Max. 70 mm Ø**

- Brushless DC motor
- Microprocessor controlled
- Shake mass up to 15 Kg
- Variable orbital diameter from 30 - 70 mm
- Save up to 6 programs with 9 sub-programs each
- Program mode for motion, direction, speed, time, dwell time, loop operation and sequence

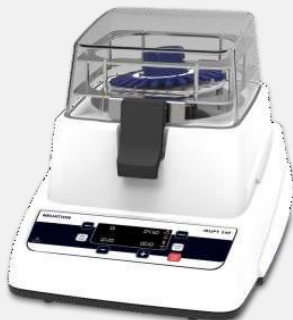
## Mini Cell Homogenizer



**Max. 4000 RPM, 3 x 2 ml**

- Variable speed from 2800 to 4000 RPM
- Pulse mode function
- Variable cyclic intervals
- Compact and light weight
- Powerful motor to homogenize most challenging samples
- Lid lock safety

## Cell / Tissue Homogenizer



**Max. 4550 RPM**

- Brushless motor
- Microprocessor controlled
- Variable speed from 490 to 4550 RPM
- Save up to 99 programs
- Variable cyclic intervals
- Different tube sizes 24 X 1.5 / 2 ml, & 12 X 7 ml

## Cooling – Heating Incubator



**Temperature Range From Ambient +5°C to 60°C, 25L**

- Digital temperature control
- 25 Ltr. space for incubation of plates and flask
- Internal power outlet for small shaker mixer and other instruments
- Accommodates up to 2 Ltr. flask
- Compact footprint

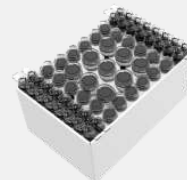
## Double Block Dry Bath



**Temperature Range From Ambient +5°C to 120°C**

- Compact dual block design
- Microprocessor controlled
- Temperature setting
- Corrosion free SS top and heating wells
- Save up to 99 programs
- Choose from 4 types of reaction blocks
- Temperature uniformity of  $\pm 0.3^{\circ}\text{C}$
- Temperature Accuracy of  $\pm 0.2^{\circ}\text{C}$

## Optional Attachments



Hybrid Block



12 x 15ml Block



5 x 50ml Block



28 x 1.5/2ml Block