P'fact

Labware & Consumables

2018-19

P'fact

> **Made in India**
> **Consumed in 120 countries**
> **Praised around the world**

ISO 9001 : 2008

C E R T I F I C A T E — TÜV NORD

Management system as per
DIN EN ISO 9001 : 2008

In accordance with TÜV NORD CERT procedures it is hereby certified that

FINE CARE CORPORATION PRIVATE LIMITED
194/6/2, Dantali Industrial Owners Association,
Gota-Vadsar Road, Village - Dantali, Tal. Kalol,
Dist. Gandhinagar - 382721, Gujarat,
India.

applies a management system in line with the above standard for the following scope

Manufacture & Supply of Micro Volume Liquid Dispensing Equipments & Parts

Certificate Registration No. QM 02 00612
Audit Report No. Q 4611/2012

Valid until 14.09.2018
(Until 17.11.2018 in case of transition to ISO 9001:2015)
Valid from 18.11.2015
Initial Certification 18.11.203

Issue 05.12.2017
Place : Mumbai

Certification Body
at TÜV INDIA PVT. LTD.

This certification was conducted in accordance with the TÜV INDIA auditing and certification procedure and shall be valid subject to Re-Certification Audit before 12.10.2018

TUV India Pvt. Ltd., 801, Raheja Plaza - 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India   www.tuvindia.co.in

NABL

National Accreditation Board for Testing and Calibration Laboratories
(A Constituent Board of Quality Council of India)

CERTIFICATE OF ACCREDITATION

CALIBRATION LABORATORY,
FINE CARE CORPORATION PRIVATE LIMITED
has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Block No. 194/6/2, Dantali Industrial Owner Association, Gota-Vadsar Road, Village: Dantali, Tal Kalol, Dist: Gandhinagar, Gujarat.

in the field of

CALIBRATION

Certificate Number   CC-2401
Issue Date   17/10/2017   Valid Until   16/10/2019

EC DECLARATION OF CONFORMITY

Fine Care Corporation Pvt Ltd
(Formerly known as Fine Care Corporation)
Block No. 194/6/2 Dantali Industrial Owners Association,
Gota – Vadsar Road, Dantali.
Dist:- Gandhinagar – 382721, Gujarat. India
Tele:- 02764-248241, 248242,248243
Fax:- 02764-248245
Website: www.pfact.in

EC DECLARATION OF CONFORMITY

Name and Description of Product : Mechanical Micropipettes, Electronic Micropipettes, Bottle top dispensers, Pipette Controller (Liquid Handling Equipments), pipette tips , centrifuge tubes.

Models : Fix and variable volume pipettes of single & Multi channel, Junior , Single and Multichannel Electronic pipettes, Bottle top dispensers, pipette tips and centrifuge tubes

Applicable EU Council Directive : meet, (where applicable) the essential requirements of Council Directive 93/42/EEC as amended by 2007/47/EC or 98/79/EC pertaining to In vitro Diagnostics Medical Devices

Conformity Declared to standard(s): BS EN61010-1, BS EN 61326-2-6, ISO 14971:2009 EN ISO 8655-2 & 6, AND ISO 15223:2000.

Manufacturer Address : FINE CARE CORPORATION PVT.LTD. 194/6/2, Dantali Industrial Owner Association, Village:Dantali,Tal.Kalol, Dist.Gandhinagar, Pincode:382721,Gujarat,India. Website:www.accumaximum.com

Hereby we confirm that on our sole responsibility that the above mentioned products are comply with the requirements of above standards and Directive.

Hemal Bavishi   Date : 08.09.2017
Business Head   Place : Dantali,Gandhinagar,Gujarat,India.

ISO 9001:2008   P'fact   CE

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P'fact

P'fact

Bottle Top Dispenser

ROBUST, RELIABLE & RESISTANT

Pfact Bottle Tip Dispensers are ergonomically designed for easy use and offer stellar performance in addition to being extremely durable and reliable. We achieve this by ensuring that only the best quality raw-materials and components go into out manufacturing process for a superior product quality. Our Dispenser are calibrated in ISO 17025 accredited calibration facility. Precision with absolute accuracy and reliability is the trademark of Pfact dispensers.

• **Eco-friendly Re-circulation Valve**
  - Eliminates Sample loss
  - Saves costly reagents and samples

• **Locking Mechanism**
  - Safety locking feature
  - Prevents accidental flow of reagents

• **Unique Piston Mechanism**
  - No recalibration required after autoclaving and cleaning
  - Piston with sealing wipes that takes care of liquid media which tends to crystallize

• **360° Dispensing**
  - Rotating discharge-tube enables bottle visibility
  - Convenient dispensing without moving the dispenser

• **Dual Graduations**
  - For precise volume setting
  - Dual volume marking assures clear visibility

• **Spring-less Valve**
  - Wider chemical compatibility
  - Longer life with zero maintenance

Bottle Top Dispenser

- **Easy Re-calibration**
  - A single tool to recalibrate

- **Conducive Handling**
  - Ergonomic design for convenient sampling
  - Low pressure dispensing even for larger volumes

- **Uncomplicated Mounting**
  - Snap-fit mounting of discharge-tube

- **Volume Lock**
  - Smooth and Accurate volume setting

- **Universal Bottle Adapter**
  - Comes with 4 additional adapters for regular bottle sizes

- **Telescopic Filling Tube**
  - Compatible with various sizes of reagent bottles ranging from 170mm to 300mm

121°C Fully Autoclavable

Pfact Dispenser			
Cat. No. With Re-Circulation Mode	Cat. No. Without Re-Circulation Mode	Volume Range (ml)	Increment (ml)
PFR - 2.5	PF - 2.5	0.25 to 2.5	0.05
PFR - 05	PF - 05	0.5 to 5	0.1
PFR - 10	PF - 10	1 to 10	0.2
PFR - 25	PF - 25	2.5 to 25	0.5
PFR - 30	PF - 30	2.5 to 30	0.5
PFR - 50	PF - 50	5 to 50	1.0
PFR - 60	PF - 60	5 to 60	1.0

Pfact Dispenser Accessories	
Cat. No.	Accessories
PFA-01	Bottle Cap Adapter 28mm
PFA-02	Bottle Cap Adapter 38mm
PFA-03	Bottle Cap Adapter 40mm
PFA-04	Bottle Cap Adapter 45mm
PFA-05	Calibration Tool
PFA-06	Recirculation Tube
PFA-07	Telescopic Tube

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P'fact

Micro Volume Pipette

- Ergonomic Design ensuring light weight & soft plunger movement
- Click - stop digital system for volume setting
- Colour coded for easy identification
- Calibration conforms to EN- ISO 8655 standards ensuring high accuracy & precision

Variable Volume Micropipette

Cat.No.	Volume Range [µl]	Increments [µl]
VA-125	0.1-2.5	0.01
VA-100	0.5-10	0.1
VA-200	5-50	0.5
VA-300	50-200	1
VA-400	200-1000	5
VA-500	10-100	0.5
VA-600	100-1000	5
VA-700	2-20	0.1
VA-800	20-200	1
VA-900	1000-5000	50
VA-905	500-5000	50
VA-1000	1000-10000	100
VA-1005	500-10000	100

Fix Volume Micropipette

Cat.No.	Volume [µl]
FA-205	2.5
FA-5	5
FA-10	10
FA-20	20
FA-25	25
FA-50	50
FA-100	100
FA-200	200
FA-250	250
FA-500	500
FA-1000	1000
FA-2000	2000
FA-5000	5000
FA-10000	10000

P'fact

5 0.0

5 - 50 µl

P'fact ⒶⒶ

Fully Autoclavable Pipette

- Ideal for genetics microbiology and biotech application
- Ergonomic Design
- Colour coded for easy identification.
- Calibration conforms to EN- ISO 8655 standards ensuring high accuracy & precision.

Variable Volume Micropipette

Cat.No.	Volume Range [µl]	Increments [µl]
AV-125	0.1-2.5	0.01
AV-100	0.5-10	0.1
AV-200	5-50	0.5
AV-300	50-200	1
AV-400	200-1000	5
AV-500	10-100	0.5
AV-600	100-1000	5
AV-700	2-20	0.1
AV-800	20-200	1
AV-900	1000-5000	50
AV-905	500-5000	50
AV-1000	1000-10000	100
AV-1005	500-10000	100

Fix Volume Micropipette

Cat.No.	Volume [µl]
AF-205	2.5
AF-5	5
AF-10	10
AF-20	20
AF-25	25
AF-50	50
AF-100	100
AF-200	200
AF-250	250
AF-500	500
AF-1000	1000
AF-2000	2000
AF-5000	5000
AF-10000	10000

P'fact

1000

100 -1000 µl

P'fact

P'fact / P'fact A *

Multichannel Pipette

Volume	Product	Cat No. 8 Channel	Cat No. 12 Channel	Increments [µl]
0.5-10 µl 0.5-10 µl	P'fact P'fact A	MA8-010 AM8-010	MA12-010 AM12-010	0.1 0.1
2-20 µl 2-20 µl	P'fact P'fact A	MA8-050 AM8-050	MA12-050 AM12-050	0.1 0.1
5-50 µl 5-50 µl	P'fact P'fact A	MA8-050 AM8-050	MA12-050 AM12-050	0.5 0.5
10-100 µl 10-100 µl	P'fact P'fact A	MA8-100 AM8-100	MA12-100 AM12-100	0.5 0.5
20-200 µl 20-200 µl	P'fact P'fact A	MA8-200 AM8-200	MA12-200 AM12-200	1.0 1.0
30-300 µl 30-300 µl	P'fact P'fact A	MA8-300 AM8-300	MA12-300 AM12-300	1.0 1.0

- Soft force / leak free tip loading and ejection.

- Easily removable & fully autoclavable manifold.

- Robust metallic structure of manifold provides precise working for longer time.

- Easy Right or Left hand operation because of 360° rotatable manifold.

- One hand tip ejection.

- Attractive color coding.

- Compatible with most types of tips.

* P'fact A are Fully Autoclavable Pipettes.

P'fact Jr

Junior Pipette

100% result   **50% size**   **25% price**

Cat.No.	Volume [µl]
AJ-005	5
AJ-010	10
AJ-20	20
AJ-025	25
AJ-050	50
AJ-100	100
AJ-06	6 Jr. Pipette stand

- **Perfect working size**

  Optimum size of 130 mm gives complete work feeling of a pipette.

- **Two Stage Plunger**

  Ensures last drop dispensing.

- **Smart Tip Cone Design**

  Allows perfect fit for 200 µl as well as 10 µl tips.

- **Affordable luxury**

  Surprisingly low price with wonderful accuracy & precision.

P'fact

Stands

Cat.No.	Capacity
SA-100	4 Pipettes
SA-200	6 Pipettes

Prime
PIPETTES

Where Form Meets Function

- Ergonomic design

- Light & smooth plunger action

- Soft feel handle grip

- Suitable for both - left and right hand users

- One of the lowest operating force requirement compared to most of the pipettes

Prime
PIPETTES
- G- Pipette
- B - Pipette
- H - Pipette
- E - Pipette

- Aspiration
- Dispensing
- Blowout

0   5   10   15
Operating Force
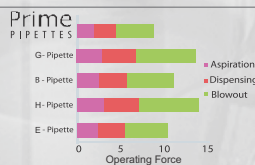
- Large and clear 4 digit display giving smaller increments for wider volume selection options

- Resistance free counter

- Volume display is always visible while pipetting

1000

- Special Teflon sealing mechanism in lieu of conventional o-ring resulting in long lasting precise and smooth operation

- Soft touch tip ejection

- Locking mechanism for preventing accidental volume changes

- In house cleaning, repair and calibration possible without any special tools

- Easily accessible recalibration mechanism

- Shelf mounting stand for convenient storage and handling

3 WARRANTY YEARS

P'fact Prime

100-100

- Surprisingly light weight yet robust

- Color coding for easy identification

- Special engineering plastics resulting in better protection against chemical and physical corrosion

- Fully autoclavable

- Enhanced UV resistance for higher durability

- Calibrated in ISO 17025 (NABL) accredited laboratory. Supplied with individual QC and calibration report according to ISO 8655

Fix Volume Micropipette

Cat.No.	Volume [µl]
SFA-205	2.5
SFA-5	5
SFA-10	10
SFA-20	20
SFA-25	25
SFA-50	50
SFA-100	100
SFA-200	200
SFA-250	250
SFA-500	500
SFA-1000	1000
SFA-2000	2000
SFA-5000	5000
SFA-10000	10000

Multichannel Pipette

- Manifold can rotate 360° to allow any convenient pipetting angle

- Internal pipetting mechanism is made of clinical resistant high grade metal ensures volume precision in all channels

- Specially designed tip cone with 0-ring resulting in:

  ☐ Leak free operation

  ☐ Smooth as well as light loading and ejection

  ☐ Choice of variety of tips

- Each channel is calibrated individually

- Includes all innovative features of Prime single channel pipette

8 & 12 Channel Micropipette

Cat.No.	Volume Range	Increments [µl]
SMA8 - 010	0.5-10 µl	0.02
SMA12- 010	0.5-10 µl	0.02
SMA8 - 020	2-20 µl	0.02
SMA12- 020	2-20 µl	0.02
SMA8 - 050	5-50 µl	0.1
SMA12- 060	5-50 µl	0.1
SMA8 - 100	10-100 µl	0.1
SMA12- 100	10-100 µl	0.1
SMA8 - 200	20-200 µl	0.2
SMA12- 200	20-200 µl	0.2
SMA8 - 300	30-300 µl	0.2
SMA12- 300	30-300 µl	0.2

Variable Volume Micropipette

Cat.No.	Volume Range [µl]	Increments [µl]
SVA-125	0.1-2.5	0.002
SVA-100	0.5-10	0.02
SVA-200	5-50	0.1
SVA-500	10-100	0.1
SVA-600	100-1000	1
SVA-700	2-20	0.02
SVA-800	20-200	0.2
SVA-905	500-5000	10
SVA-1000	1000-10000	20

Pfact Prime

Adjust

Pipette Stand

Cat.No.	Description
SAS-01	Carousel stand for 6 pipettes
SAS-02	Shelf mount pipette holder

P'fact

P'fact

Electronic Pipette

Simpler - Better - Beautiful

- Light weight and ergonomic design with comfortable operations helps to avoid Repetitive Strain Injuries (RSI)

- High-resolution color screen with real time display of pipetting operation

- User friendly interface. Easy selection of all modes.

- One of the most reliable 3-point calibration method ensuring accuracy and consistency in pipetting results in it's complete working range

- Saves power by switching off pipette if it is not in use for longer time

- Favorite program can be stored for frequently used sequence steps for smoother handling of complex process

- Easy maintenance of lower parts

- Faster battery charging, longer working

Single Channel Electronic Pipette

Cat.No.	Volume Range
PFE-10	0.5-10 µl
PFE-100	5-100 µl
PFE-200	10-200 µl
PFE-1000	50-1000 µl
PFE-5000	250-5000 µl

Multi-Channel Electronic Pipette

8 Channel Cat.No.	12 Channel Cat.No.	Volume Range
PFE-8-10	PFE-12-10	0.5-10 µl
PFE-8-20	PFE-12-20	2-20 µl
PFE-8-100	PFE-12-100	5-100 µl
PFE-8-200	PFE-12-200	10-200 µl
PFE-8-300	PFE-12-300	15-300 µl

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Pipette Controller

- Can fill 25 ml pipet under 4 seconds
- Safety valve and hydrophobic filters provide double protection against fluid penetration
- Two different speed modes - High & Low along with Gravity drain
- The pump speed can also be fine-tuned by varying finger pressure on operating knobs for better control of speed
- Cadmium free environment friendly NiMH batteries
- Batteries can be changed very easily by the user
- The intelligent charger prevents over charging / heating of batteries
- Low battery indicator
- The specially designed Desktop stand as well as wall mounted stand enables the Pipet Controller to be charged while resting on it.
- The Pipet Controller can hold the serological pipette while resting on Desktop Stand.

Powerful yet quiet pump
Soft grip push buttons
Double safety valve
Autoclavable pipette cone

Technical Data

Power	2 x 1.2 V / 1000 mAh NiMH batteries
Battery Service Life	Eight hours continuous use
Battery Charging Time	2 - 3 hours to charge fully
Volumetric Range	Plastic or Glass pipette from 0.1 ml up to 200 ml
Safety System	Replaceable hydrophobic 0.45 pm PTFE filter
	Safety check valve
Standard Accessory	Battery charger
	Desktop Stand
	Hydrophobic PTFE membrane filter 0.45 pm 2Pcs
	Hydrophobic PTFE membrane filter 0.20 pm 1Pc
	Wall mounting stand

Cat.No.	Capacity
PH01-R	Pipette Controller - Red
PH01-B	Pipettte Controller - Blue
PH01-O	Pipettte Controller - Orange
PH01-G	Pipettte Controller - Green

Comfortable stress-free operating knob
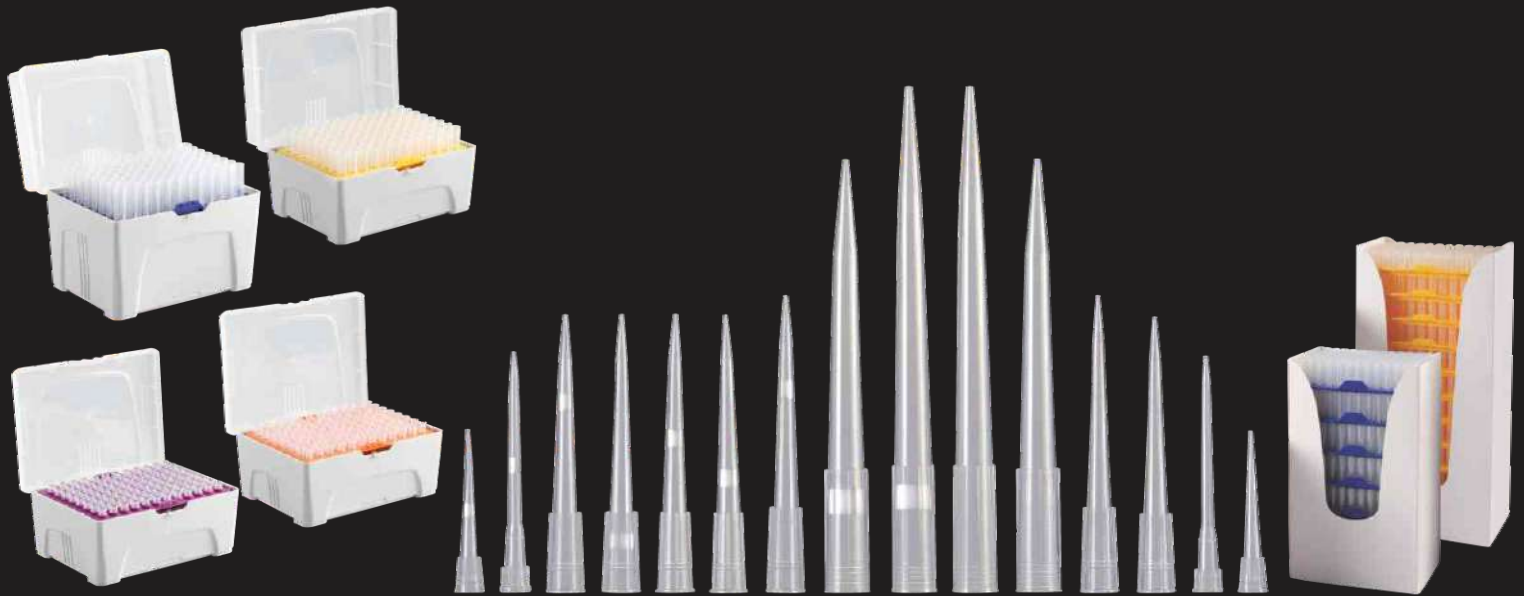
One hand operations

Desktop stand

Attractively colour coded

Wall mounting stand

P'fact TIPS

- Produced from high quality diamond finish mould using special FDA approved medical grade virgin polypropylene with very high transparency

- Innovative design of tips for adaptability with wide range of pipettes with minimum force requirement for loading & ejection

- Ideal match for high sensitive PCR work

- Produced in a fully automatic, human touch free, clean room production facility. Free from RNase, DNase, Human DNA, Pyrogen & PCR inhibitor. Free of Lubricants and heavy metals

- Graduation marks on all the tips that act as visual checks to minimize any risk of errors during sample aspiration

- All these high quality tips are also available as sterile tips

RNase **DNase** **HUMAN DNA** **Endotoxin** **HEAVY METALS** **ATP**

Filter Tips

- Specially developed PE filters stops aerosols & contamination from entering into the pipette and thus lessens the risks or cross contamination

- "PUREST PURE" Filters. Free from chemical additives & heavy metals

Low Retention

- Minimum retention = Maximum accuracy
- No Silicon additives = No leaching
- Manufactured from specially developed resins combined with high quality diamond finish mould creates **SUPER HYDROPHOBIC** internal surface

Regular Tips   Pfact Low Retention Tips
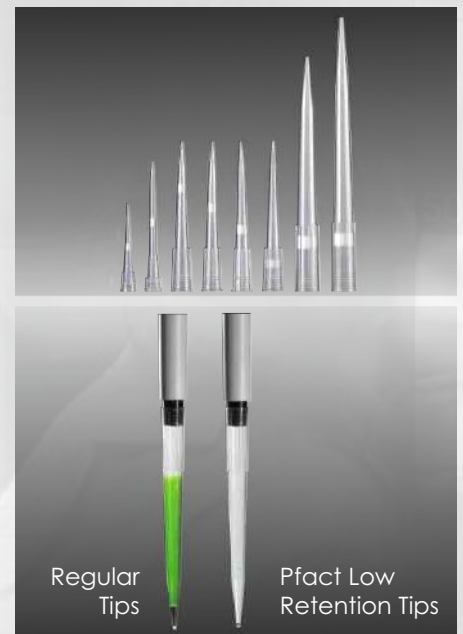
P'fact

Packing Options

Bulk

- Packed in Polyethylene self standing bag with easy tearing
- **Perforation & Zip lock**-Double sealing provides better protection against contamination and spillage while in use

Rack

- Fully autoclavable and stackable
- Hinge rack allows single hand operation
- Color coded tray for easy identification

Reloading Stack

- Reloading of rack with minimal effort
- Easy to operate without the need of any special equipment
- Tips prearranged in 96 (8x12) format
- Saves storage space and minimize packaging waste

P'fact Individual Wrap Tips	
Cat. No.	Description
PF-10-S-W	10µl Universal Grad, Sterile, Individual wrap tip
PF-200-S-W	200µl Universal Grad, Sterile, Individual wrap tip
PF-200-S-L-F-W	200µl Universal Grad, Sterile, Low retention, Filter, Individual wrap tip
PF-1000-S-W	1000µl Universal Grad, Sterile, Individual wrap tip
PF-1000-S-L-F-W	1000µl Universal Grad, Sterile, Low retention, Filter, Individual wrap tip
PF-5000A-S-W	5 ml Individually Wrapped Tips, Sterile (Suitable for P'fact AV series pipette - 2ml, 5ml, 0.5ml-5ml & 1ml-5ml pipette)
PF-10000A-S-W	10 ml Individually Wrapped Tips, Sterile (Suitable for P'fact AV series pipette - 10ml, 1ml-10ml pipette)
PF-5000B-S-W	5 ml Individually Wrapped Tips, Sterile (Suitable for P'fact Prime 2ml, 5ml, & 0.5ml-5ml pipette)
PF-10000B-S-W	10 ml Individually Wrapped Tips, Sterile (Suitable for P'fact Prime 10ml & 1ml-10ml pipette)

P'fact TIPS

Bulk

10 µl Universal Graduated Tips
1000 Tips / Bag (40 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-10-B	-	-	-
PF-10-S-B	✓	-	-
PF-10-F-B	-	-	✓
PF-10-S-L-B	✓	✓	-
PF-10-S-F-B	✓	-	✓
PF-10-S-L-F-B	✓	✓	✓

10 µl Long Graduated Tips
(Max Capacity 20µl)
1000 Tips / Bag (40 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-10XL-B	-	-	-
PF-10XL-S-B	✓	-	-
PF-10XL-F-B	-	-	✓
PF-10XL-S-L-B	✓	✓	-
PF-10XL-S-F-B	✓	-	✓
PF-10XL-S-L-F-B	✓	✓	✓

10 µl Extra Narrow Graduated Tips
(Max Capacity 20µl)
1000 Tips / Bag (40 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-10XN-B	-	-	-
PF-10XN-S-B	✓	-	-
PF-10XN-F-B	-	-	✓
PF-10XN-S-L-B	✓	✓	-
PF-10XN-S-F-B	✓	-	✓
PF-10XN-S-L-F-B	✓	✓	✓

1000 µl Universal Graduated Tips
1000 Tips / Bag (10 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-1000-B	-	-	-
PF-1000-S-B	✓	-	-
PF-1000-F-B	-	-	✓
PF-1000-S-L-B	✓	✓	-
PF-1000-S-F-B	✓	-	✓
PF-1000-S-L-F-B	✓	✓	✓

20 µl Universal Graduated Tips
(With Filter only)
1000 Tips / Bag (20 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-20-F-B	-	-	✓
PF-20-S-F-B	✓	-	✓
PF-20-S-L-F-B	✓	✓	✓

50 µl Universal Graduated Tips
(With Filter only)
1000 Tips / Bag (20 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-50-F-B	-	-	✓
PF-50-S-F-B	✓	-	✓
PF-50-S-L-F-B	✓	✓	✓

100 µl Universal Graduated Tips
(With Filter only)
1000 Tips / Bag (20 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-100-F-B	-	-	✓
PF-100-S-F-B	✓	-	✓
PF-100-S-L-F-B	✓	✓	✓

200 µl Universal Graduated Tips
1000 Tips / Bag (20 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-200-B	-	-	-
PF-200-S-B	✓	-	-
PF-200-F-B	-	-	✓
PF-200-S-L-B	✓	✓	-
PF-200-S-F-B	✓	-	✓
PF-200-S-L-F-B	✓	✓	✓

1000 µl Extra Long Universal Graduated Tips
(Max Capacity 1250 µl)
1000 Tips / Bag (10 Bags / Case)

Cat #	Sterile	Low Retention	Filter
PF-1000XL-B	-	-	-
PF-1000XL-S-B	✓	-	-
PF-1000XL-F-B	-	-	✓
PF-1000XL-S-L-B	✓	✓	-
PF-1000XL-S-F-B	✓	-	✓
PF-1000XL-S-L-F-B	✓	✓	✓

Rack

10 µl Universal Graduated Tips

96 Tips x 10 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-10-R	-	-	-
PF-10-S-R	✓	-	-
PF-10-F-R	-	-	✓
PF-10-S-L-R	✓	✓	-
PF-10-S-F-R	✓	-	✓
PF-10-S-L-F-R	✓	✓	✓

10 µl Long Graduated Tips
(Max Capacity 20µl)

96 Tips x 10 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-10XL-R	-	-	-
PF-10XL-S-R	✓	-	-
PF-10XL-F-R	-	-	✓
PF-10XL-S-L-R	✓	✓	-
PF-10XL-S-F-R	✓	-	✓
PF-10XL-S-L-F-R	✓	✓	✓

10 µl Extra Narrow Graduated Tips
(Max Capacity 20µl)

96 Tips x 10 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-10XN-R	-	-	-
PF-10XN-S-R	✓	-	-
PF-10XN-F-R	-	-	✓
PF-10XN-S-L-R	✓	✓	-
PF-10XN-S-F-R	✓	-	✓
PF-10XN-S-L-F-R	✓	✓	✓

1000 µl Universal Graduated Tips

96 Tips x 6 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-1000-R	-	-	-
PF-1000-S-R	✓	-	-
PF-1000-F-R	-	-	✓
PF-1000-S-L-R	✓	✓	-
PF-1000-S-F-R	✓	-	✓
PF-1000-S-L-F-R	✓	✓	✓

20 µl Universal Graduated Tips
(With Filter only)

96 Tips x 10 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-20-F-R	-	-	✓
PF-20-S-F-R	✓	-	✓
PF-20-S-L-F-R	✓	✓	✓

50 µl Universal Graduated Tips
(With Filter only)

96 Tips x 10 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-50-F-R	-	-	✓
PF-50-S-F-R	✓	-	✓
PF-50-S-L-F-R	✓	✓	✓

100 µl Universal Graduated Tips
(With Filter only)

96 Tips x 10 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-100-F-R	-	-	✓
PF-100-S-F-R	✓	-	✓
PF-100-S-L-F-R	✓	✓	✓

200 µl Universal Graduated Tips

96 Tips x 10 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-200-R	-	-	-
PF-200-S-R	✓	-	-
PF-200-F-R	-	-	✓
PF-200-S-L-R	✓	✓	-
PF-200-S-F-R	✓	-	✓
PF-200-S-L-F-R	✓	✓	✓

1000 µl Extra Long Universal Graduated Tips
(Max Capacity 1250 µl)

96 Tips x 6 Racks / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention	Filter
PF-1000XL-R	-	-	-
PF-1000XL-S-R	✓	-	-
PF-1000XL-F-R	-	-	✓
PF-1000XL-S-L-R	✓	✓	-
PF-1000XL-S-F-R	✓	-	✓
PF-1000XL-S-L-F-R	✓	✓	✓

P'fact TIPS

Reloading Stack

10 µl Universal Graduated Tips
96 Tips x 10 Plates / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention
PF-10-K	-	-
PF-10-S-K	✓	-
PF-10-S-L-K	✓	✓

200 µl Universal Graduated Tips
96 Tips x 10 Plates / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention
PF-200-K	-	-
PF-200-S-K	✓	-
PF-200-S-L-K	✓	✓

10 µl Long Graduated Tips
(Max Capacity 20µl)
96 Tips x 10 Plates / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention
PF-10XL-K	-	-
PF-10XL-S-K	✓	-
PF-10XL-S-L-K	✓	✓

1000 µl Universal Graduated Tips
96 Tips x 5 Plates / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention
PF-1000-K	-	-
PF-1000-S-K	✓	-
PF-1000-S-L-K	✓	✓

10 µl Extra Narrow Graduated Tips
(Max Capacity 20µl)
96 Tips x 10 Plates / Pack (10 Packs / Case)

Cat #	Sterile	Low Retention
PF-10XN-K	-	-
PF-10XN-S-K	✓	-
PF-10XN-S-L-K	✓	✓

1000 µl Universal Graduated Tips
(Max Capacity 1250µl)
96 Tips x 5 Plates / Pack (10 Packs / Case)

| Cat #	Sterile	Low Retention
PF-1000XL-K	-	-
PF-1000XL-S-K	✓	-
PF-1000XL-S-L-K	✓	✓

Macro Tips

Cat.No.	Description
PF-5000A	5 ml tip suitable to P'fact A & VA-FA series pipette - 2 ml, 5 ml, 0.5-5 ml & 1-5 ml
PF-10000A	10 ml tip suitable to P'fact A & VA-FA series pipette - 10 ml & 1 -10 ml pipette
PF-5000B	5 ml tip suitable to P'fact PRIME 2 ml, 5 ml & 0.5-5 ml pipette
PF-10000B	10 ml tip suitable to P'fact PRIME 10 ml & 1-10 ml pipette

Empty Racks

Cat.No.	Description
PF-10-ER	Empty Rack suitable for P'fact 10 µl tips
PF-10XL-ER	Empty Rack suitable for P'fact 10XL µl tips
PF-10XN-ER	Empty Rack suitable for P'fact 10XN µl tips
PF-200-ER	Empty Rack suitable for P'fact 200 µl tips
PF-1000-ER	Empty Rack suitable for P'fact 1000 µl tips
PF-1000XL-ER	Empty Rack suitable for P'fact 1000 µl XL tips
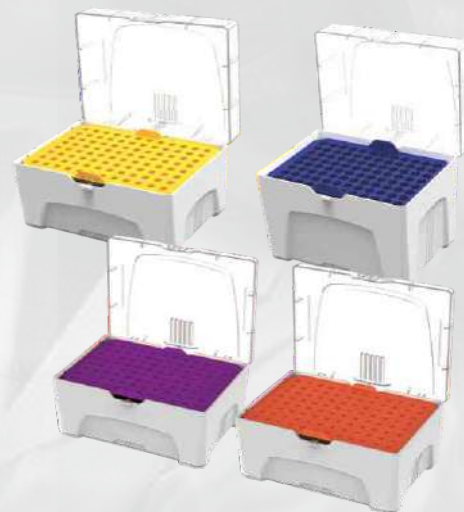
Regular Tips Compatibility Chart

	Packing style:	BULK - RACKS - RELOADS						
	Volume Range:	10 µl	10XL	10 XN	200 µl	200 XL	1000 µl	1000 XL
	Tray Color:	Orange	Purple	Purple	Yellow	Yellow	Blue	Blue
	Volume Range:							
Variable volume pipettes	0.1-2.5 µl	●	●	●				
	0.5-10 µl	●	●	●				
	5-50 µl				●	●		
	50-200 µl				●	●		
	200-1000 µl						●	●
	10-100 µl				●	●		
	100-1000 µl						●	●
	2-20 µl	●	●	●				
	20-200 µl				●	●		
	1000-5000 µl							
	500-5000 µl							
	1000-10000 µl							
	500-10000 µl							
Fixed volume pipettes	2.5 µl	●	●	●				
	5 µl				●	●		
	10 µl				●	●		
	20 µl				●	●		
	25 µl				●	●		
	50 µl				●	●		
	100 µl				●	●		
	200 µl				●	●		
	250 µl						●	●
	500 µl						●	●
	1000 µl						●	●
	2000 µl							
	5000 µl							
	10000 µl							
Multi Channel Pipettes	0.5 - 10 µl	●	●	●				
	2-20 µl		●					
	5 - 50 µl				●	●		
	10 - 100 µl				●	●		
	20 - 200 µl				●	●		
	30 - 300 µl					●		

Filter Tips Compatibility Chart

	Packing style:	BULK - RACKS - RELOADS									
	Volume Range:	10 µl	10XL	10 XN	20 µl	50 µl	100 µl	200 µl	200 XL	1000 µl	1000 XL
	Tray Color:	Orange	Purple	Purple	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue
	Volume Range:										
Variable volume pipettes	0.1-2.5 µl	●	●	●							
	0.5-10 µl	●	●	●							
	5-50 µl					●					
	50-200 µl							●	●		
	200-1000 µl									●	●
	10-100 µl						●				
	100-1000 µl									●	●
	2-20 µl		●								
	20-200 µl							●	●		
	1000-5000 µl										
	500-5000 µl										
	1000-10000 µl										
	500-10000 µl										
Fixed volume pipettes	2.5 µl	●	●	●							
	5 µl				●						
	10 µl				●						
	20 µl				●						
	25 µl					●					
	50 µl					●					
	100 µl						●				
	200 µl							●	●		
	250 µl									●	●
	500 µl									●	●
	1000 µl									●	●
	2000 µl										
	5000 µl										
	10000 µl										
Multi Channel Pipettes	0.5 - 10 µl	●	●	●							
	2-20 µl		●								
	5 - 50 µl					●					
	10 - 100 µl						●				
	20 - 200 µl							●	●		
	30 - 300 µl								●		

P'fact CENTRIFUGE TUBES

Pfact 0.5 ml, 1.7 ml & 2 ml Graduated Micro Centrifuge Tube

- Manufactured from FDA approved resin

- Certified RNase, DNase, DNA and Pyrogen free

- Free from heavy metals

- Can be centrifuged up to 20,000 RCF

- Withstands temperatures from -80 °C to + 121°C

- Easy seal design of the cap to ensure smooth opening and closing with single hand repeatedly

- Very clear transparent surface. Doesn't hinder spectrophotometer reading

- Tubes have thin cap membrane for trouble free needle piercing

- Flat & frosted lid as well as larger writing surface on body for easy marking and labeling

0.5 ML
Withstands upto 20,000 RCF

1.5 ML
Withstands upto 20,000 RCF

2.0 ML
Withstands upto 20,000 RCF

Thin cap membrane
For easy needle piercing

Leak proof seal cap
allow single hand operation

Clear & precise
graduations

No sharp points or edges.
Ultra smooth design doesn't
catch gloves
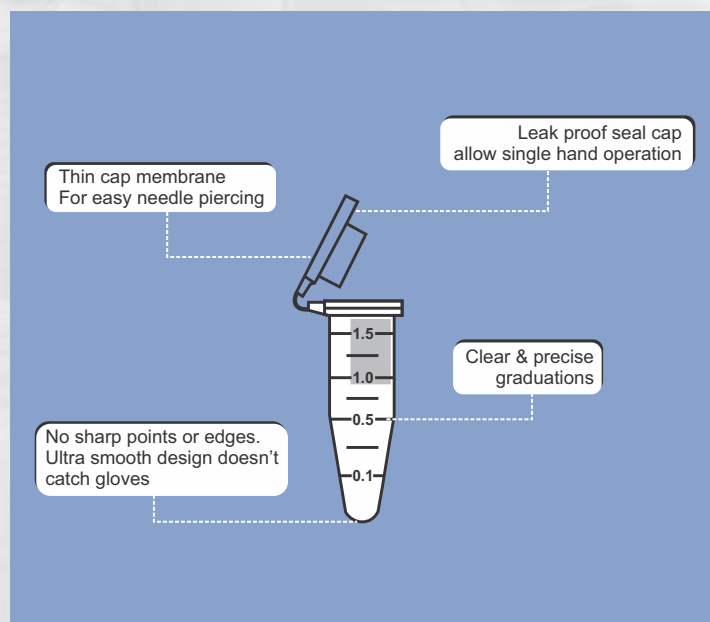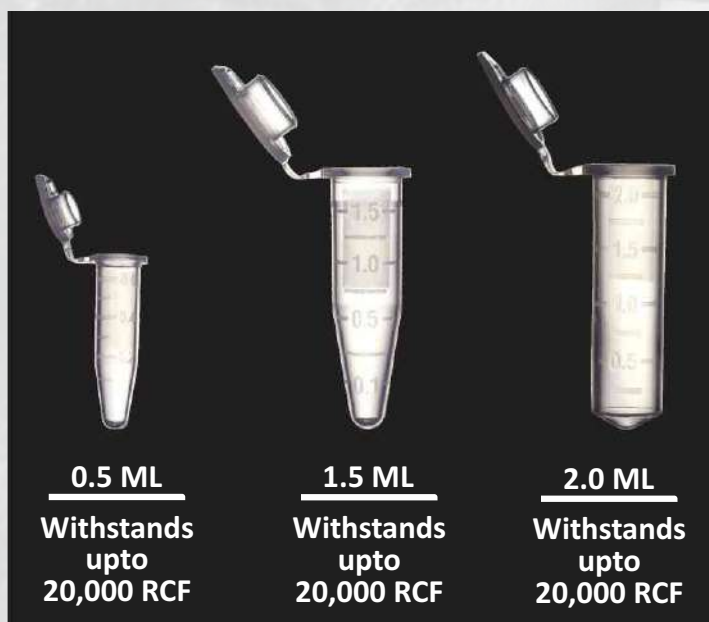
Cat. No.	Description
PCT - 005-B	0.5 ml Graduated Micro Centrifuge Tube
PCT - 005-S-B	0.5 ml Graduated Micro Centrifuge Tube, Sterile
PCT - 005-S-L-B	0.5 ml Graduated Micro Centrifuge Tube, Low Retention, Sterile
PCT - 017-B	1.7 ml Graduated Micro Centrifuge Tube
PCT - 017-S-B	1.7 ml Graduated Micro Centrifuge Tube, Sterile
PCT - 017-S-L-B	1.7 ml Graduated Micro Centrifuge Tube, Low Retention, Sterile
PCT - 02-B	2 ml Graduated Micro Centrifuge Tube
PCT - 02-S-B	2 ml Graduated Micro Centrifuge Tube, Sterile
PCT - 02-S-L-B	2 ml Graduated Micro Centrifuge Tube, Low Retention, Sterile

RNase   DNase   HUMAN DNA   Endotoxin   HEAVY METALS   ATP

P'fact

P'fact CENTRIFUGE TUBES

Pfact 15 ml & 50 ml Graduated Centrifuge Tube

- Manufactured from FDA approved resin
- Free from RNase, DNase and Pyrogen
- Free from heavy metals
- Very clear transparent surface
- Can be centrifuged up to 18000 RCF & 20000 RCF in 15 ml & 50 ml tube respectively
- Leak proof screw cap
- Tamper proof & chemical resistance graduation printing
- Large writing area for sample identification

Cat. No.	Description
PCT-15-B	15 ml Centrifuge Tube with Cap
PCT-15-B-S	15 ml Centrifuge Tube with Cap, Sterile
PCT-15-R	15 ml Centrifuge Tube with Cap, Rack
PCT-15-S-R	15 ml Centrifuge Tube with Cap, Rack, Sterile
PCT-50-B	50 ml Centrifuge Tube with Cap
PCT-50-B-S	50 ml Centrifuge Tube with Cap, Sterile
PCT-50-R	50 ml Centrifuge Tube with Cap, Rack
PCT-50-S-R	50 ml Centrifuge Tube with Cap, Rack, Sterile
PCT-50-K-B	50 ml Self Standing Centrifuge Tube with Cap
PCT-50-K-B-S	50 ml Self Standing Centrifuge Tube with Cap, Sterile

Pfact Individual Wrap Centrifuge Tube

P'fact Individual Wrap Tubes	
Cat. No.	Description
PCT-15-S-W	15 ml Centrifuge Tube, flat Cap, Sterile, Individually Wrapped
PCT-50-S-W	50 ml Centrifuge Tube, flat Cap, Sterile, Individually Wrapped

RNase   DNase   HUMAN DNA   Endotoxin   HEAVY METALS   ATP

P'fact PCR CONSUMABLES

Pfact PCR Tubes
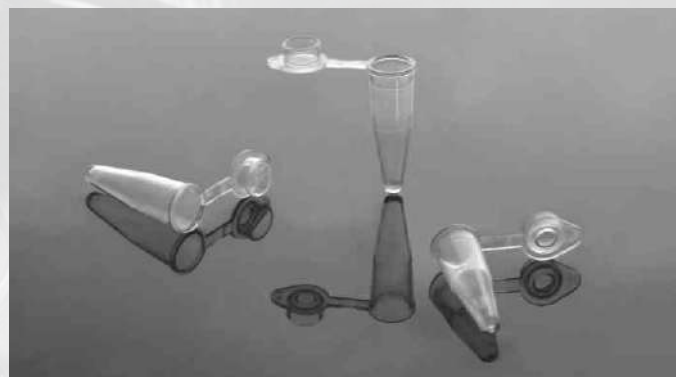
Cat. No.	Description
PF-PC-001	0.2 ml Flat Cap Clear Tubes

Pfact PCR 8-Strip Tube with Caps
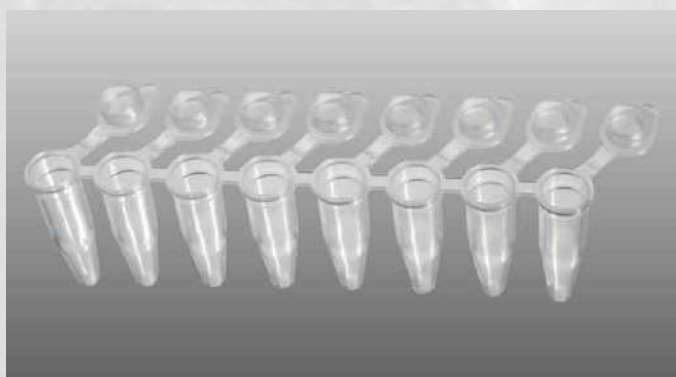
Cat. No.	Description
PF-PC-011	0.2 ml 8-strip tubes with attached flat cap
PF-PC-012	0.2 ml 8-strip tubes with separate flat cap
PF-PC-013	0.2 ml 8-strip tubes with separate domed cap
PF-PC-014	0.1ml qPCR 8-strip tubes with optical caps
PF-PC-015	0.1ml qPCR 8-strip white tubes with optical caps
PF-PC-016	0.2ml qPCR 8-strip tubes with optical caps
PF-PC-017	0.2ml qPCR 8-strip white tubes with optical caps

Pfact PCR Plate

Cat. No.	Description
PF-PC-021	0.2 ml, No skirt, standard profile, 96 well PCR plate
PF-PC-022	0.2 ml, Sub-Semi skirted, standard profile, 96 well qPCR plate
PF-PC-023	0.1 ml, Sub-Semi skirted, low profile, 96 well qPCR plate
PF-PC-024	0.1 ml, Semi skirted, low profile, 96 well qPCR plate
PF-PC-025	0.1 ml, Semi skirted, low profile white, 96 well qPCR plate
PF-PC-031	PCR 96 well plate sealing membrane
PF-PC-032	qPCR 96 well plate optical sealing, pressure sensitive membrane
PF-PC-033	Aluminum membrane

RNase DNase HUMAN DNA Endotoxin HEAVY METALS
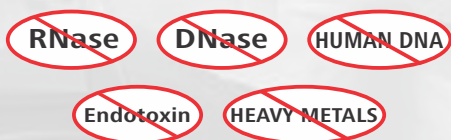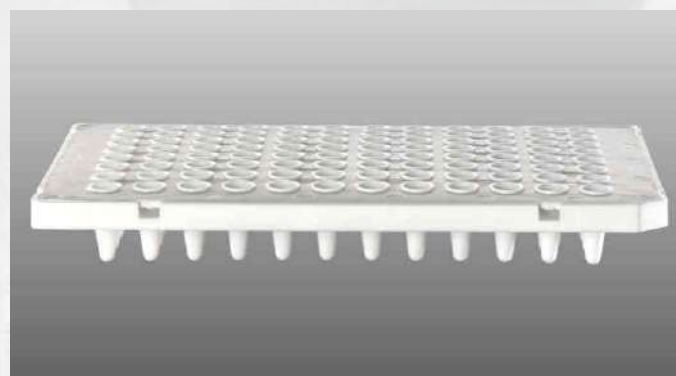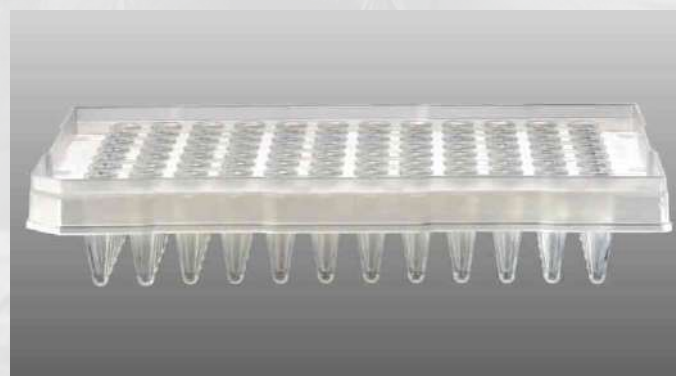
i Fuge M08 / M08VT

The Smart Personal Centrifuge with Microprocessor
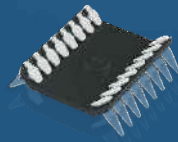
This Micro Centrifuge is specially designed to suit your need for micro filtration and quick spin downs

- 8 place closed rotor ensures better airflow, better efficiency with quiet operation and low heat generation
- Electronic Brake for immediate stop on lid opening for user safety
- Saves time by doing quick runs by simply closing and opening the lid
- Next gen design with Digital Display
- Robust & Compact construction for long life
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function (M08VT)
- Imbalance Detection with auto cut off (M08VT)
- User enabled Digital Calibration function (M08VT)
- Whisper quiet operation
- Small footprint saves valuable bench space - suitable for use in hoods and cold rooms

Specifications	iFuge M08VT	iFuge M08
Rotor	8 x 1.5/2.0 ml Microtubes	
Maximum RPM/RCF (g)	6000 / 2000 g	
Display	Digital Display	
Imbalance Detection	Yes	No
Noise Level	< 55 db	
Variable Speed	Yes (1000-6000 RPM in steps of 100 RPM	N.A.
Timer	1-25 Minutes & infinite mode	Infinite mode
Dimensions (WxDxH) in mm	162 x 157 x 116	
Rotors and Adaptors (included in standard pack)	8 x 1.5/2.0 ml Closed Rotor	
	PCR Strip Rotor (2 x 8 x 0.2 ml)	
	Reduction adaptors for 0.2/0.4 ml Microtubes	

* Fixed speed version (M08) for specific speed can be made available
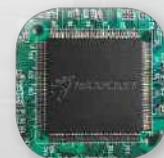

Electronic Safety Brake for user safety

Imbalance Detection with automatic cut off

Digital Display for Speed and Time

Microprocessor controlled

i Fuge D12 / *i* Fuge D18

High Speed Micro Centrifuge with Microprocessor & Brushless Motor

12 x 1.5/2 ml

2 x 8 x 0.2 ml strip rotor

24 x 45mm capillary tubes

- Brushless DC motor – Maintenance free, delivers better power/weight ratio and fit for extended runs
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Compatible with Hematocrit rotor & PCR Strip rotor
- One touch short spin operation & change over from RPM to RCF
- Intuitive simple interface for quick and convenient setting
- Better airflow design ensures lesser heat generation for greater sample safety and less noise
- Lid lock safety- Lid opens automatically on run completion
- Timer setting 1 to 99 minutes & infinite mode
- Small footprint saves valuable bench space
- Suitable for use in hoods or cold rooms

| Specifications	iFuge D12	iFuge D18
Rotor	12 x 1.5/2.0 ml	18 x 1.5/2.0 ml
Maximum RPM/RCF (g)	15000 RPM / 15596 g	13500 RPM / 14792 g
Imbalance Detection	Imbalance Detection with auto cut off	
Noise Level	< 60 db	
Motor Type	(BLDC) Brushless DC motor	
Time Setting	1 to 99 Mins & infinite mode	
Dimensions (WxDxH)	260 x 244 x 205 mm	
Rotors and Adaptors (included in standard pack)	12 x 1.5/2 ml closed rotor with metal safety lid	18 x 1.5/2 ml closed rotor with metal safety lid
	Reduction adaptors for 0.2/0.5 ml Microtubes	
Optional Rotors	PCR Strip Rotor (2x8x0.2 ml with Metal safety lid)	
	Hematocrit Rotor - 24 x 45 mm length capillary tubes	

Brushless DC Motor

Microprocessor controlled

Imbalance detection

Digital Display

•RPM (x 100) 150
•Mins 99
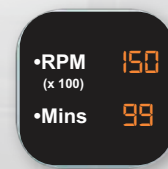
i Fuge M24PR*

Refrigerated High Speed Micro Centrifuge

4 Rotor Options		
Rotor No.	Capacity	Max RPM/RCF (x g)
1	24 x 1.5/2 ml	21420
2	44 x 1.5/2 ml	22388
3	8 x 4 x 0.2/0.5 ml	15397
4	8 x 5 ml	18461

- Max capacity of 44 x 1.5 / 2 ml - delivers upto 15000 RPM
- Brushless DC motor for maintenance-free long life
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Temperature setting from -10°C to + 40°C
- Timer setting from 30 secs to 99 minutes and infinite mode
- Maintains constant temperature of 4°C even at max speed of 13500 RPM
- Preset feature of quick cooling mode - Rotor chamber attains 4°C from ambient temperature in max 8 minutes
- User programmable (user can set upto 99 programs of 4 lines each)
- Single equipment for different work protocols with appropriate choice of rotors
- Large back-lit LCD display for easy setting & reading of multiple parameters
- Imbalance detection and lid lock safety feature

Specifications	iFuge M24PR
Rotor	24 x 1.5 / 2 ml microtubes**
	44 x 1.5 / 2 ml microtubes
	8 x 5 ml microtubes
	PCR Strip Rotor (4 x 8 x 0.2 ml with Metal safety lid)
Temperature range	-10°C to 40°C
Speed Setting	500 - 13500 RPM
Time Setting	30 secs to 99 mins & infinite mode
Display	Large back lit LCD display
Programmable Feature	User can set and save up to 99 user defined programs of 4 lines each
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimension (W x D x H)	452 x 314 x 278 mm

**Rotor supplied with the equipment. Optional rotors has to be ordered separately
* Product will be available after October 2017

Brushless DC Motor

Microprocessor Controlled

Quick & Accurate Temperature Control

Lage Back Lit LED Display

i Fuge D06

Doctor Centrifuge with Microprocessor & Brushless Motor

8 x 15 ml (Autoclaveable)   6 x 15 ml (Autoclaveable)

The essential clinical centrifuge for hospitals, diagnostic & research labs for regular blood centrifuge applications

- Choice of 2 rotors : 8 x 15ml (Autoclavable SS holders) / 6 x 15ml (Autoclavable SS holders)
- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Precise RPM setting from 500-6500 RPM with least count of 100 RPM - can set by RCF
- Automatic imbalance detection for safe operation
- Timer setting 30 sec to 30 minutes & infinite mode
- One switch change over from RPM to RCF
- Lid lock safety feature during operation - Lid releases automatically after run completion
- Smart air flow design reduces noise
- Accommodates most common blood collection tubes - comes with adaptors for 5 ml, 7 ml & 9 ml tubes

Specifications	iFuge D06
Rotor	6 x 15 ml Fix angle (Autoclavable) - 3684 g
Optional Rotor	8 x 15 ml Fix (Autoclavable) - 3873 g
Max RPM	6500
Motor Type	Brushless DC
Speed Setting	500 to 6500 rpm
Timer Setting	30 sec to 30 mins & infinite mode
Lid Lock Safety	Yes
Noise Level	< 60 dB
Imbalance Detection	Yes
Dimensions (W X D X H)	260 x 244 x 205 mm
Weight	4 kg
Adaptors (included in standard pack)	Reduction adaptors for standard blood collection tubes - 2ml, 5ml, 7ml & 9ml

*Rotor supplied along with the instrument. Optional rotors has to be - ordered separately

| Brushless DC Motor | Accommodates all common collection tubes | Imbalance detection | Microprocessor controlled |

i Fuge C 4000

Clinical Centrifuge with Microprocessor & Brushless Motor

3 Rotor Options

Rotor Type	Capacity	Max RCF (x g)	
Swing out	6x10ml	2270	
Fixed Angle	8x15ml	1950	
Fixed Angle	16x10ml	2180	

- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Single instruments for different work protocols with appropriate choice of rotors
- Precise RPM setting from 500 to 4000 RPM with least count of 10 RPM
- Imbalance detection with auto cut off
- Lid lock safety - Lid releases (automatically) after run completion
- Large LCD display for easy setting and reading multiple parameters
- Programming feature : User can save and run upto 99 defined programs (protocols)
- One touch short spin operation & change over from RPM to RCF
- Supplied with reduction adaptors for various sizes of blood collection tubes- 9 ml, 7 ml, 5 ml, 3 ml and 2 ml tubes

| Specifications	iFuge C4000
Rotors*	6x10ml (Swing)/ 8x15ml (Fixed Angle)/ 16x10ml (Fixed Angle)
Max RPM	4000 RPM
Motor Type	Brushless DC
Display	Digital Display
Speed Setting	500-4000 RPM in steps of 10 RPM
Timer Setting	1-999 mins & Infinite mode
Programmable Feature	User can set and save upto 99 user defined programs (protocols)
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimensions (WxDxH) in mm	415 x 355 x 173 mm
Weight of Equipment	7.7kg (without Rotor)

* Rotor to be specified before placing order

Microprocessor controlled
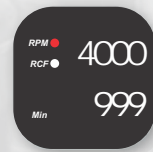
Brushless DC Motor

Digital Diaplay

3 Rotor Options

i Fuge CS 03

Clinical Swing Out Centrifuge with Microprocessor & Brushless Motor

3 x 50 ml

- Brushless DC motor for maintenance free long life
- Swing out clinical centrifuge with capacity of 3 x 50 ml
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Precise RPM setting from 500 to 3200 RPM with an accuracy of ±10 RPM
- Automatic imbalance detection for safe operation
- Lid lock safety - Lid releases (automatically) after run completion
- Compact design with low loading height for ease of operation
- Programming feature: User can save and run upto 99 defined programs (protocols)
- One touch short spin operation & change over from RPM to RCF

Specifications	iFuge CS 03
Rotor	3 x 50 ml (swing)
Max RPM/RCF (xg)	3200 RPM / 1470g
Motor Type	Brushless DC
Digital Display	Yes
Speed Setting	500-3200 RPM in step of 10 RPM
Timer Setting	1-999 mins & Infinite mode
Programmable Feature	User can set and save upto 99 user defined programs (protocols)
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimensions (WxDxH) in mm	415 x 355 x 173 mm
Weight of Equipment	7.7kg (without Rotor)

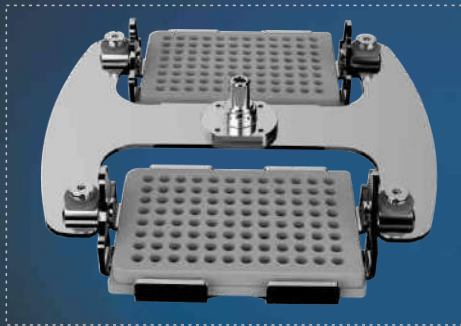Microprocessor controlled

Brushless DC Motor

Digital Diaplay

Imbalance detection

i Fuge CS2P

Microplate Swing Out Centrifuge with Microprocessor & Brushless Motor

- Brushless DC motor for maintenance free long life
- Micro Plate swing out centrifuge with capacity of 2 skirted microplates - 96 & 384 wells
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Precise RPM setting from 500 to 2200 RPM with an accuracy of ±10 RPM
- Automatic imbalance detection for safe operation
- Lid lock safety - Lid releases (automatically) after run completion
- Compact design with low loading height for ease of operation
- Programming feature: User can save and run upto 99 defined programs (protocols)
- One touch short spin operation & change over from RPM to RCF

Specifications	iFuge CS2P
Rotor	2 Skirted Micro Plates (96 & 384 wells) swing
Max RPM/RCF (xg)	2200 RPM / 560g
Motor Type	Brushless DC
Digital Display	Yes
Speed Setting	500-2200 RPM in steps of 10 RPM
Timer Setting	1-999 mins & Infinite mode
Programmable Feature	User can set and save upto 99 user defined programs (protocols)
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimensions (WxDxH) in mm	415 x 355 x 173 mm
Weight of Equipment	7.7kg (without Rotor)

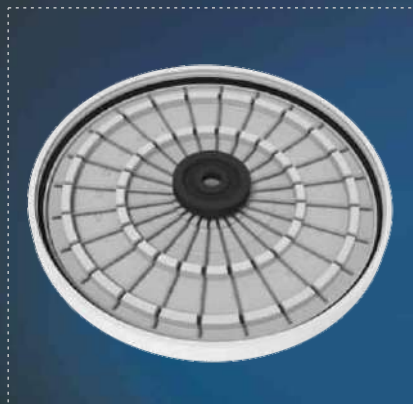**Microprocessor controlled**   **Brushless DC Motor**   **Digital Diaplay**   **Imbalance detection**

i Fuge HCT

Hematocrit Centrifuge with Microprocessor & Brushless Motor

- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Precise RPM setting from 500 to 12000 RPM with least count of 100 RPM
- Lid lock safety : Lid releases automatically after run completion
- Timer setting upto 12 minutes
- RPM & RCF toggles alternatively on the display during operation
- Large 7 segments display for easy setting and reading multiple parameters
- PRESET feature : User can set favorite mode where Speed(RPM) and Time can be changed
- Small footprint saves valuable bench space

Specifications	iFuge HCT
Rotor	24 x 45/75 mm length capillary tubes
Max RPM / RCF	12000 RPM / 14119 g
Motor Type	Brushless DC
Display	Large 7 segments display
Speed Setting	500-12000 RPM in steps of 100 RPM
Timer Setting	Upto 12 mins
Preset Feature	User can set parameters beforehand to facilitate use
Rotor	HCT rotor with Screw on Lid (for better contamination protection)
Weight of Equipment	5 kg (without Rotor)
Dimensions (WxDxH) in mm	363 x 301 x 105 mm

Microprocessor controlled   **Brushless DC Motor**   **Digital Display**   **Imbalance detection**

iFuge L30P

Multi Purpose Lab Centrifuge

Multiple Rotor Options

Rotor Type: Fixed Angle					
Rotor No.	Capacity	Max RCF	Rotor No.	Capacity	Max RCF
L30-131	16 x 15ml	3144	L30-132	12 x 15ml	3144
L30-133	8 x 15ml	2644	L30-134	6 x 50ml	2644
L30-135	4 x 50ml	2644	L30-136	4 x 100ml	2559
L30-137	24 x 15ml	2852			

Rotor Type: Swing					
Rotor No.	Capacity	Max RCF	Rotor No.	Capacity	Max RCF
L30-125	16 x 15ml	3485	L30-126	12 x 15ml	3485
L30-127	8 x 15ml	3440	L30-128	6 x 50ml	3530
L30-129	4 x 50ml	3485	L30-130	4 x 100ml	3164
L30-124	2 Micro plates	2355			

The versatile benchtop centrifuge is suitable for various centrifuge applications in hospitals, institutes as well as in research and industrial laboratories.

- Max capacity 4 x 100 ml (swing out rotor) - delivers upto 4500 RPM
- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Single equipment for different work protocols with appropriate choice of rotors (Swing and Fixed angle)
- Imbalance detection and lid lock safety feature
- Large back-lit LCD display for easy setting & reading of multiple parameters (Speed & Time)
- Adjustable ramp & brake speeds from (upto 9 speed selection)
- User programmable (user can set upto 99 programs of 4 lines each)

Specifications	iFuge L30P
Motor Type	Brushless DC Motor
Display	Large back-lit LCD display
Speed Setting	500 to 4500 RPM in steps of 100 RPM
Timer Setting	1 to 999 mins & infinite mode
Imbalance Detection	Yes
Programmable	Yes
Dimensions (WxDxH) in mm	436 x 595 x 311 mm
Weight	47 kg (without rotor)
Rotors (not included)	Multiple rotor options (swing and fixed angle)

Brushless DC Motor
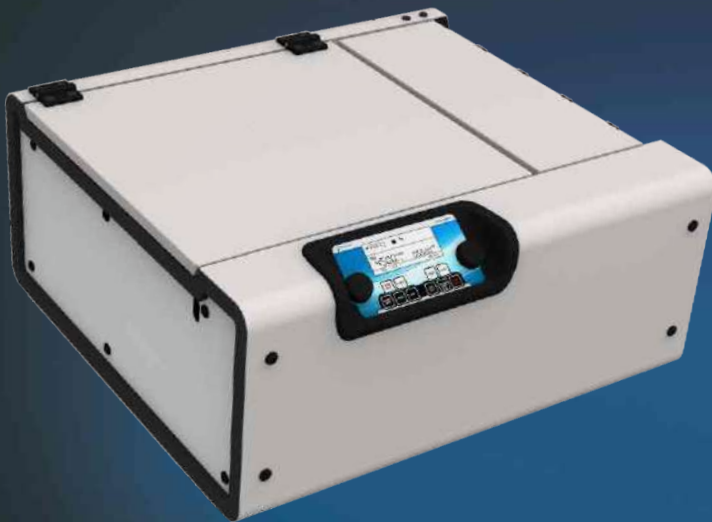
Microprocessor controlled

Imbalance detection

Large Back lit LCD Display

i Fuge L30PR

The Refrigerated Lab Centrifuge

Multiple Rotor Options

Rotor Type: Fixed Angle					
Rotor No.	Capacity	Max RCF	Rotor No.	Capacity	Max RCF
L30-131	16 x 15ml	3144	L30-132	12 x 15ml	3144
L30-133	8 x 15ml	2644	L30-134	6 x 50ml	2644
L30-135	4 x 50ml	2644	L30-136	4 x 100ml	2559
L30-137	24 x 15ml	2852	L30-138	30 x 15ml	2729

Rotor Type: Swing					
Rotor No.	Capacity	Max RCF	Rotor No.	Capacity	Max RCF
L30-125	16 x 15ml	3485	L30-126	12 x 15ml	3485
L30-127	8 x 15ml	3440	L30-128	6 x 50ml	3530
L30-129	4 x 50ml	3485	L30-130	4 x 100ml	3164
L30-124	2 Micro plates	2355			

The bench top refrigeration centrifuge suitable for various centrifugation applications in laboratories

- Max capacity 4 x 100 ml delivers upto 4500 RPM
- Brushless DC motor for maintenance free long life
- Microprocessor controlled : Enables digital variable speed and time setting with last run memory function
- Single equipment for different work protocols with appropriate choice of rotors Fixed angle
- With adjustable refrigeration temperature set Upto -10°C
- Imbalance detection and lid lock safety feature
- Large back-lit LCD display for easy setting & reading of multiple parameters (Speed & Time)
- Adjustable ramp & brake speeds from (upto 9 speed selection)
- User programmable (user can set upto 99 programs of 4 lines each)

Specifications	iFuge L30PR
Rotor Capacity (Max)	4 x 100 ml
Max RPM / RCF (xg)	4500 RPM / g varies as per rotor
Motor Type	Brushless DC
Refrigeration Temperature	Upto - 10°C
Display	Large back-lit LCD Display
Speed Setting	500 to 4500 RPM
Timer Setting	1 to 999 mins & infinite mode
Lid Lock Safety	Yes
Imbalance Detection	Yes
Adjustable Ramp & Brake	Yes (selection from 1 to 9)
Rotors (not included)	Multiple rotor options (Fixed & Swing angle)
Dimensions (WxDxH) in mm	656 x 595 x 311 mm
Weight	70kg (without Rotor)

Microprocessor controlled

Multiple Rotor Options

Imbalance detection

Large Back lit LCD Display

i Swix Jr. / *i* Swix Jr. VT

Mini Vortex Mixer with Brushless Motor

- Tiny Vortex with small footprint
- Delivers upto 4500 RPM for thorough mixing & quick vortexing
- Brushless DC motor for maintenance free long life
- Orbital diameter of 4.5 mm
- Smart and Robust design - press activation with suspension
- Robust construction with Die cast Aluminum base and rubber pads for stable and silent operation
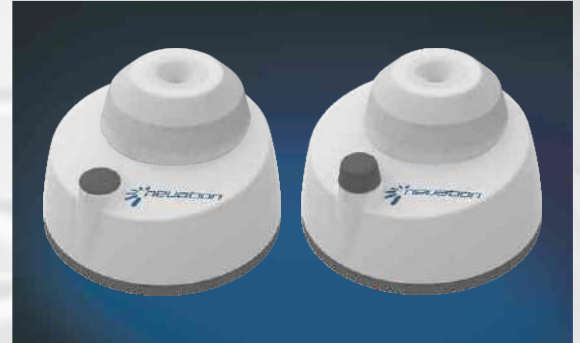- Inbuilt counterbalance for stable operation

| BLDC Motor | Counter balance for stable operation | Suspension for smooth operation | Tiny footprint |

World's "MOST POWERFUL" Vortexer!!!

Specifications	iFuge Jr.	iFuge Jr. VT
Max RPM	4500 rpm	
Orbital diameter	4.5 mmø	
Motor Type	Brushless DC	
Speed Setting	No	Yes
Max tube diameter	30 mm	
Max Load Capacity	100 gm	
Press activation	Yes	
Protection class	IP 43	
Dimensions (WxDxH) in mm	100 x 100 x 70 mm	
Weight	550 gm	

i Swix / *i* Swix VT

Vortex Mixer

- 3 way switch (On/Off/Touch)
- Brushless DC motor for maintenance free long life (iSwixVT)
- Orbital diameter of 4 mm
- Adjustable speed
- Inbuilt counter balance for study & safe operation
- Timer setting 0 to 999 minutes(iSwixVT)
- Digital display toggles between speed and time every 5 second (iSwixVT)
- Programmable pulse mode function (iSwixVT)
- Silent operation
- Robust construction for stable operation
- Universal Power Supply (iSwixVT)

| BLDC Motor | Counter balance for stable operation | Optional attachments for different shaking applications |

Specifications	iSwix	iSwix VT
Max RPM	2800 RPM	4200 RPM
Orbital diameter	4 mm ø	
Motor Type	AC Motor	Burshless DC
Digital Display	No	Yes
Max Load Capacity	500 gm	
Speed Setting	Yes	
Timer Setting	No	Yes (min/sec)
Dimensions (WxDxH) in mm	205 x 136 x 138.5 mm	
Weight	3 kg	
Power Supply	220 VAC	24VDC
Attachments (optional)	Attachments for microplate, flasks, microtubes & round disc for different shaking applications	

The essential benchtop vortex for everyday mixing operations in the lab.

*Every iSwix is supplied with conical cup attachment.

i Swix MV

Digital Multi Tube Vortexer with Microprocessor & Brushless Motor

Heavy duty Vortex Mixer with large capacity for high throughput laboratory

- Brushless DC motor for quiet operation and maintenance free long operation
- Microprocessor controlled vortex mixer with variable speed and time setting and also with last run memory function
- Adjustable speed ranging from 300-2500 RPM with increment of 1 RPM and accuracy of ± 5% speed accuracy with option of electing Clockwise (CW) and Counterclockwise (CCW) motion
- Long timer setting from 1 to 999 mins & infinite mode
- Programmable Pulse with selection of variable time 30-99 seconds
- Power Overload feature in which if the equipment consumes more power than its capacity, it automatically shuts down
- Supplied with all four foam base attachments

Specifications	iSwix MV
Attachments	VM-M3 7 ml tube foam to accommodate 60 tubes
	VM-M2 15 ml tube foam to accommodate 45 tubes
	VM-M1 50 ml tube foam to accommodate 18 tubes
	VM-M4 250 ml flask foam to accommodate 6 flasks
Digital Display	Yes
Variable Speed	300-2500 RPM
Motor Type	BLDC
Run Time	1-999 mins & infinite
Motion Type	Clockwise (CW) and Counterclockwise (CCW) motion
Pulse Mode	Programmable Pulse with selection of variable time 30-99 seconds
Weight	18 kg
Input Voltage	24 V
Power Consumption	75 W
Protection class	IP 21

Brushless
DC Motor

Microprocessor
Controlled

Digital
Diaplay

Pulse Mode

i Roll RnR4

Four Tube Roller

- Gentle rocking and rolling motion for optimum mixing
- Fixed speed of 30 RPM with speed accuracy of +/-2 RPM
- Continuous / infinite mode of operation
- Tilt angle of +/- 3°
- Tool free removal / installation of rollers for replacement and cleaning
- Adjustable rollers spacing to hold different diameter tubes
- Suitable for mixing of blood sample and viscous substances
- Small footprint saving laboratory space
- Works with 80% humidity and 40°C
- Protection class of IP 21
- Robust construction for stable operation

Fixed Speed of 30 RPM   **Detachable Rollers**   **Silent Operation**

Four Tube Roller with smooth rocking and rolling action at fixed speed
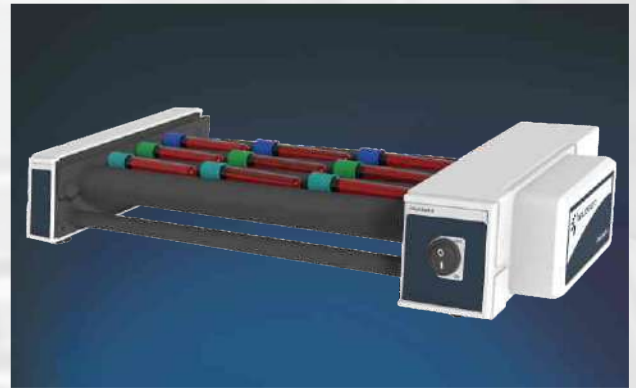
Specifications	iRoll RnR4
Capacity	9 x 5 ml tubes
Motor Type	AC Synchronous
Speed	Fix Speed of 30 RPM
Run Time	Continuous / Infinite
Tilt Angle	+/-3°
Speed Accuracy	+/-2 RPM
Load Capacity	1.5 kg
Roller Size (mm)	30 x 330
Protection class	IP 21
Dimensions (WxDxH) in mm	475 x 210 x 80 mm
Weight	2.42 Kg (without power cable) including roller

---

i Roll Junior

Blood Tube Rotator

- AC synchronous motor for noiseless operation.
- Can accommodate upto 10 Blood collection tubes
- Circular motion gives gentle but effective mixing
- Fix speed of 30 RPM with an accuracy of ± 2 RPM
- Continuous / infinite mode of operation
- Robust construction with strong metal from design
- Maximum operational weight capacity of 1kg
- Compact saves bench space design
- Protection class of IP 21
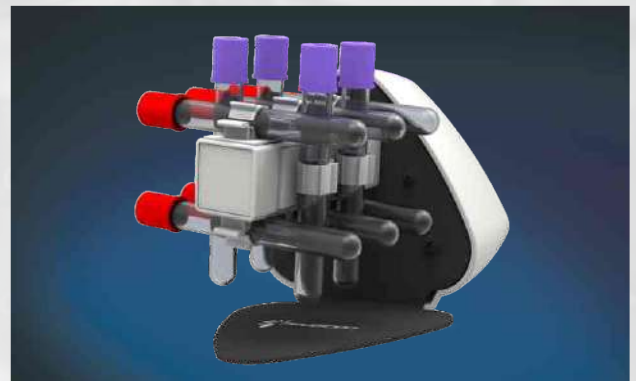- Easy to remove and install attachments for replacement and cleaning

Silent operation   **Accuracy of +/- 2 RPM**   **Small Footprint**

Specifications	iRoll Junior
Capacity	10 x 8 ml
Motor Type	AC Synchronous
Speed	Fix Speed of 30 RPM
Run Time	Continuous / Infinite
Speed Accuracy	+/-2 RPM
Removable Plate	Yes
Noise Level	Noiseless operation
Max Loading (Capacity)	1 kg
Dimension (W x D x H)	190 x 135 x 133 mm
Protection class	IP 21

i Roll RnR6 / *i* Roll RnR10

Digital Tube Roller with Microprocessor & Brushless Motor

Next generation Digital tube roller with Microprocessor for the optimum mixing of blood & viscous samples

- Brushless DC motor for quiet operation and maintenance free long life
- Detachable rollers for easy clean in case of sample spills
- Digital display & soft touch keys for easy reading & setting of parameters
- Microprocessor controlled tube roller with variable speed and time setting and also with last run memory function
- Speed ranging from 10 to 80 RPM & timer from 1 min to 99 min & continuous mode
- Unique user programmable feature - Save upto 9 programs Pulse mode feature
- Gentle Rocking and Rolling motion for proper mixing
- Stackable design with robust construction for stable operation

Specifications	iRoll RnR6	iRoll RnR10
Motor Type	Brushless DC motor	
Motion	Rocking & Rolling	
Number of tubes	15 x 7ml Blood Tubes	22 x 7ml Blood Tubes
Speed Range	10 to 80 RPM	
Timer Range	1 to 99 mins	
Operation Type	Continuous & Timed Operation	
Removable Rollers	Yes	
Pulse Mode	Yes	
Tilt Angle	+/-3°	
Protection Class	IP 21	
Weight	4.5 Kg (without power adapter) sheetmetal body including roller	6.5 Kg (without power adapter) sheetmetal body including roller
Permissible ambient Temp.	5°C to 40°C	
Dimensions (WxDxH) in mm	502 x 92.5 x 301	502 x 92.5 x 448
Power Consumption	6W	

Digital Display

Brushless DC Motor

Detachable Rollers

Pulse mode for thorough mixing

![neuation logo]

i Roll DR24

Digital Disk Tube Rotator with Microprocessor & Brushless Motor
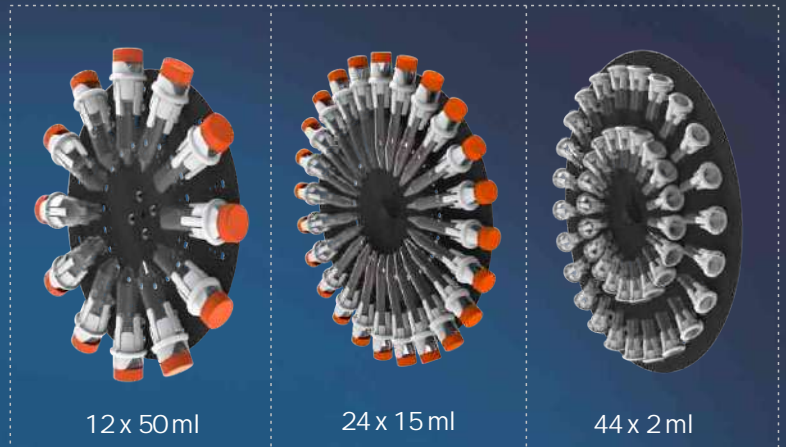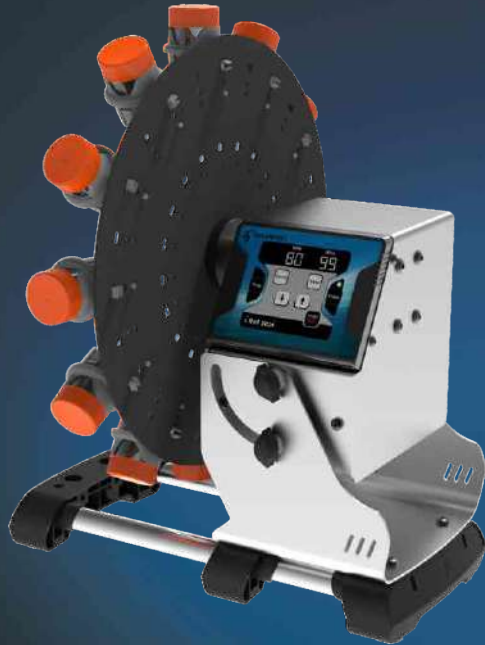
| 12 x 50 ml | 24 x 15 ml | 44 x 2 ml |

- Brushless DC motor for quiet and maintenance free long life operation
- Microprocessor controlled disc rotator with variable speed and time setting and also with last run memory function
- Adjustable speed ranging from 10-80 RPM with increment & accuracy of +/- 1 RPM
- Timer setting from 1 to 99 minutes & infinite mode
- Angle can be adjusted from 0 to 90 degrees
- Programmable - user can set and save upto 9 user defined programs (protocols)
- Pulse mode function for alternating clockwise and anticlockwise motion with 2 sec stops for better and thorough mixing
- Option for Auto power On in case of power failure - on resumption it will start automatically and run for the remaining time
- Easy removal / installation of Disc plates for replacement & cleaning
- Protection rating of IP21

Specifications	iRoll DR24
Capacity (supplied with any one chosen disk plate)	12 tubes x 50 ml
	24 tubes x 15 ml
	44 tubes x 2 ml
Programmable Mode	Yes. User can set and save upto 9 user defined programs
Variable Speed	10-80 RPM
Motor Type	BLDC motor
Pulse Mode	Yes. Alternating clockwise and anticlockwise motion with 2 seconds stop for better and thorough mixing
Angle of Disc Plate	Adjustable from 0-90 degrees
Weight	3.9Kg (without Power adapter) Metal Body - with Plate
Digital Display	Yes
Input Voltage	24V
Dimensions (WxDxH) in mm	383 x 325 x 325 mm
Protection Class	IP 21

Microprocessor controlled

Brushless DC Motor

Digital Display

Pulse mode

i Roll DR16

Disk Rotator

- AC synchronous motor for noiseless operation
- Accommodate upto 4 ESR Tubes & 12 Blood collection tubes
- Circular rotating action gives gentle but effective mixing
- Fix speed of 30 RPM with an accuracy of +/-2 RPM
- Continuous / infinite mode of operation
- Fix disc plate angle of 38 degrees
- Robust construction with strong metal from design

Strong metal from design | **Silent operation** | **Accuracy of +/- 2 RPM**

Specifications	iRoll DR16
Capacity	16 Tubes (12 Blood Collection Tubes + 4 ESR Tubes)
Motor Type	AC Synchronous
Variable Speed	Fix Speed of 30 RPM
Run Time	Continuous / Infinite
Speed Accuracy	+/-2 RPM
Angle of Disc Plate	Fix angle of 38 degrees
Weight (Capacity)	1.5 kg (with Disc)
Dimensions (WxDxH) in mm	278 x 183 x 252 mm
Protection class	IP 21

i Roll PR22

Plate Rotator

- AC synchronous motor for noiseless operation
- Can accommodate upto 22 Blood collection tubes
- Circular motion gives gentle but effective mixing
- Fix speed of 30 RPM with an accuracy of +/-2 RPM
- Continuous / infinite mode of operation
- Robust construction with strong metal from design
- Compact saves bench space design

12 x 15ml + 4 x 50ml

Strong metal from design | **Silent operation** | **Accuracy of +/- 2 RPM**

Specifications	iRoll PR22
Capacity (supplied with any one chosen plate)	12 x 15 ml + 4 x 50 ml
	22 x 15 ml
Motor Type	AC Synchronous
Variable Speed	Fix Speed of 30 RPM
Run Time	Continuous / Infinite
Speed Accuracy	+/-2 RPM
Removable Plate	Yes
Weight	1.7 Kg (with power cable) Plastic body - with Plate
Dimension (W x D x H)	346 x 185 x 145 mm
Protection class	IP 21

i Roll PR35

Digital Plate Tube Rotator with Microprocessor & Brushless Motor
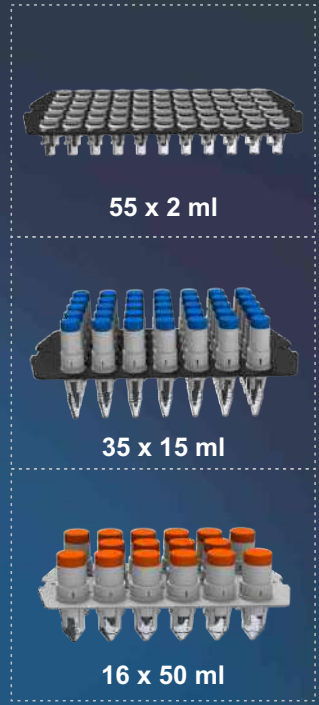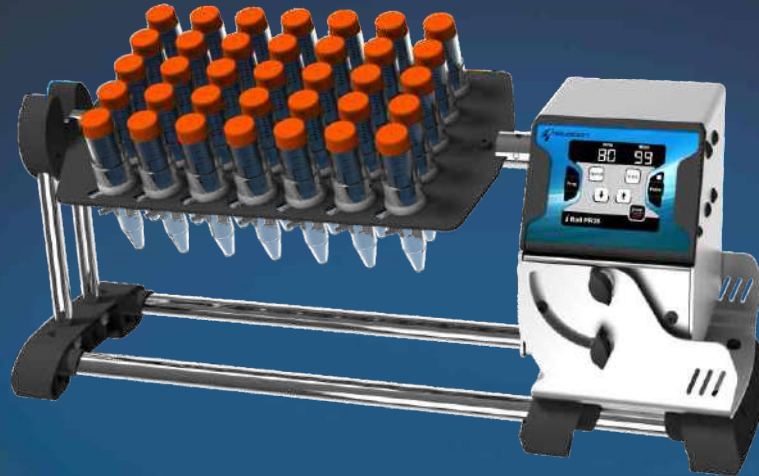
55 x 2 ml

35 x 15 ml

16 x 50 ml

- Brushless DC motor for quiet and maintenance free long life operation
- Microprocessor controlled plate rotator with variable speed and time setting and also with last run memory function
- Adjustable speed ranging from 10-80 RPM with increment & accuracy of +/- 1 RPM
- Timer setting from 1 to 99 minutes & infinite mode
- Programmable - user can set and save upto 9 user defined programs (protocols)
- Pulse mode function for alternating clockwise and anticlockwise motion with 2 sec stops for better and thorough mixing
- Option for Auto power On in case of power failure - on resumption it will start automatically and run for the remaining time
- Easy removal / installation of Plates for replacement & cleaning

Specifications	iRoll PR35
Capacity (supplied with any one chosen plate)	16 tubes x 50 ml
	35 tubes x 15 ml
	55 tubes x 2 ml
Programmable Mode	Yes. User can set and save upto 9 user defined programs
Variable Speed	10-80 RPM
Run Time	1-99 mins & infinite
Motor Type	BLDC motor
Pulse Mode	Yes. Alternating clockwise and anticlockwise motion with 2 seconds stop for better and thorough mixing
Weight	4.6 Kg (without power adapter)
	Metal Body - with Plate
Digital Display	Yes
Input Voltage	24V
Dimensions (WxDxH) in mm	383 x 325 x 325 mm
Protection Class	IP 21

Microprocessor controlled
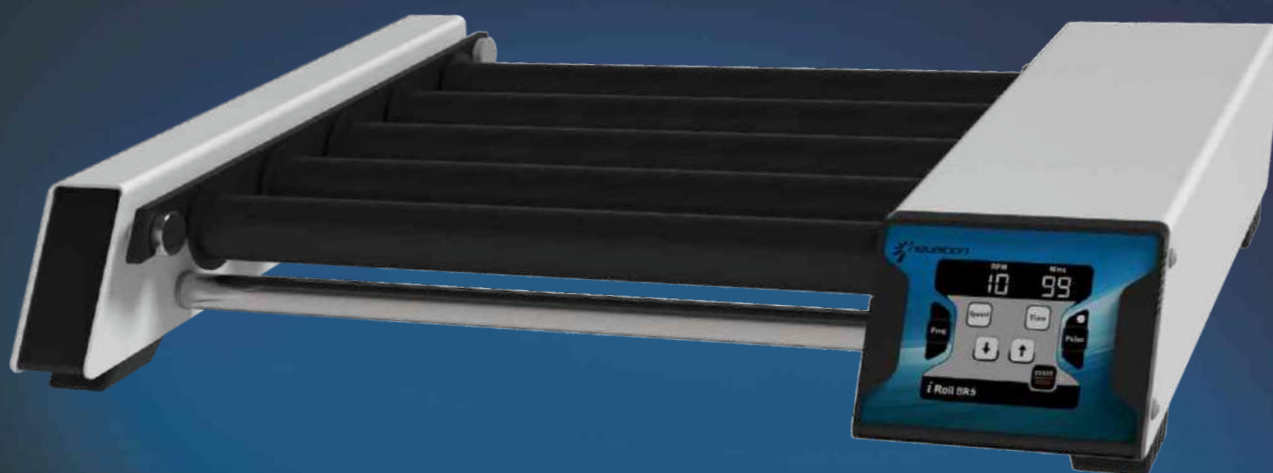
Brushless DC Motor

Digital Display

Pulse mode

i Roll BR3 / *i* Roll BR5

Digital Bottle Roller with Microprocessor & Brushless Motor

- Digital bottle roller for smooth and effective mixing

- Removable roller provide easy cleaning in case of sample spills

- Countdown timer

- Adjustable timer ranging from 1min to 99 min & infinite mode

- 3/5 tube bottle roller allows mixing of small and large bottle

- Robust construction for stable operation

- Brushless DC motor for quiet operation and maintenance free long life

- Closed loop operation for exact speed control under varied load conditions

- Works with 80% humidity and 40°C

Specifications	3 Bottle Roller	5 Bottle Roller
Motor Type	BLDC motor	
Motion	Rolling	
Max. Loading Capacity	5 Kg	
Number of rollers	3	5
Roller Size	30 x 330 mm	
Speed Range	1 to 15 RPM	3 to 45 RPM
Timer Range	1 to 99 mins and infinite	
Operation Type	Continuous & Timed Operation	
Bottle Size	75 to 121mm dia & Upto 290mm long	38 to 60mm dia & Upto 290mm long
Protection Class	IP 21	
Weight	5.4 Kg (without power adapter) sheetmetal body including roller	6.2 Kg (without power adapter) sheetmetal body including roller
Input Voltage	100 - 240 VAC, 50 / 60 Hz	
Output Voltage	24VDC	
Permissible ambient Temp.	5°C to 40°C	
Dimensions (WxDxH) in mm	500 x 365 x 93	

Microprocessor controlled

Brushless DC Motor

Detachable Rollers

Pulse mode for thorough mixing

i Stir Uno / *i* Stir Quattro

Motorless Ultra Slim Magnetic Stirrer

The motorless magnetic stirrer is a truly maintenance free ultra flat stirring device for various laboratory applications

- No moving parts-truly maintenance free

- Low aspect ratio (just 13/14 mm thick)

- Software driven gradual acceleration

- Microprocessor controlled with last run memory feature

- Pulse mode - reverses the direction every 30 seconds for proper mixing

- Universal power supply- small wall mount adaptor

- IP 65 complaint design (Water spill resistant)

- Corrosion resistant SS top surface to fight harsh chemicals

- Synchronized speed setting (multiposition)

Specifications	iStir UNO	iStir Quattro
Max RPM	1500 RPM	1200 RPM
Speed Setting	from 15 RPM at every 50 RPM	
Capacity	1 x 800 ml	4 x 500 ml
Time Setting	1 to 99 mins	
Digital Display	Yes	
Recommended bar length	25 mm	
Pulse function	Yes	
Sync Mode	NA	Yes
Last run memory	Yes	
Dimensions (WxDxH) in mm	124 x 191 x 14.5	457 x 126 x 13.4
Weight	400 gm	1.5 kg
Protection Class	IP 65 compliant design (Water spill resistant)	

Extremely sleek design

Pulse mode for thorough mixing

SS top for corrosion resistance

Microprocessor controlled

i Stir Penta⁺ / *i* Stir Quattro⁺ / *i* Stir Uno⁺

Slim Motorized Magnetic Stirrer

Slim Motorized Magnetic Stirrer is a maintenance free & compact stirring device for various laboratory applications

- Brushless DC motor for quiet operation and maintenance free long life

- Corrosion resistant SS top surface for better chemical resistance

- Microprocessor controlled stirrer with variable speed and time setting and along with last run memory feature

- Adjustable speed from upto 2200 RPM in steps of 10 RPM

- Longer time range

- Programmable Pulse mode for homogenous stirring in clockwise and counter-clockwise direction

- Low aspect ratio (just 45 mm thick)

- Universal power supply - small wall mount adaptor

- Supplied with stir bar

Specifications	iStir Penta⁺	iStir Quattro⁺	iStir Uno⁺
Motor Type	Brushless DC		
Capacity (H20)	10 Ltr (2 Ltr per station)	4L (1 ltr per station)	10 Ltr
Speed Setting	100 to 2200 RPM (at every 10 RPM)	200 to 1500 RPM (at every 100 RPM)	200 to 2200 RPM (at every 10 RPM)
Timer	Upto 99 hours & 59 mins & infinitea mode	1 to 999 mins	1 to 999 mins
Digital Display	Yes		
Pulse Mode	Yes, Programmable (30 to 99 secs)	Yes	Yes
Recommended stir bar length	35 mm		
Last run memory	Yes		
Weight	8 kg	4.5 kg	2.5 kg
Protection Class	IP 42	IP 44	IP 44
Dimensions (WxDxH) in mm	594 x 332 x 45 mm	640 x 155 x 29 mm	335 x 200 x 29 mm

Microprocessor controlled

Brushless DC Motor
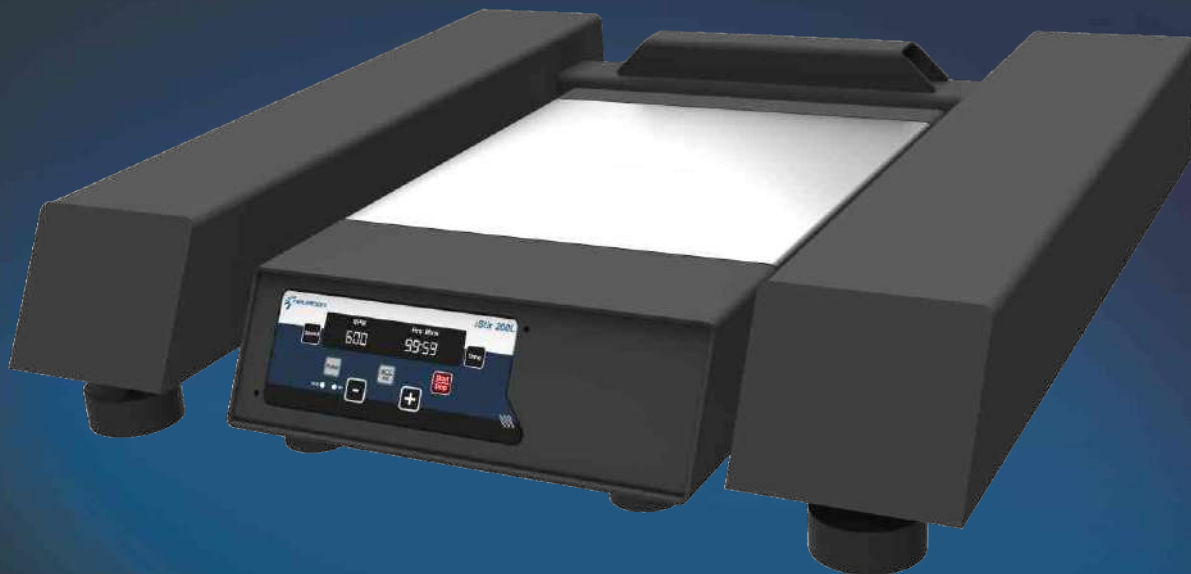
Pulse Mode & Timer Function

Slim Profile with Stainless Steel Top

iStir 50L / iStir 200L

High Capacity Magnetic Stirrer with Microprocessor & Brushless Motor

- Brushless DC motor for quiet operation and maintenance free long operation
- Microprocessor controlled stirrer with variable speed and time setting and also with last run memory function
- Adjustable speed ranging from 100-1000 RPM (50L) & 100-600 RPM (200L) with increment of 10 RPM and accuracy of +/- 10 RPM
- Long timer setting from 1 to 99 hours 59 minutes & infinite mode
- Choice of acceleration rates from A1 to A9
- Programmable Pulse with direction change feature - Pulse timing can be set from 30 to 300 seconds
- Stainless steel (SS) set up plate for corrosion protection
- Power Mode feature in case of power failure the equipment starts operating automatically for remaining left time on resumption
- Power Overload safety feature
- Supplied with support frame for holding vessel, Stir bar & Remote Pendent

Specifications	iStir 50L	iStir 200L
Motor Type	Brushless motor	
Max. Capacity	50 Liters	200 Liters
Variable Speed	100 - 1000 RPM	100 - 600 RPM
Run Time	1-99 hours 59 mins & infinite	
Ramp Up Speed feature	User can select different Acceleration rates (A1-A9 with A9 being the fastest rate and A1 slowest)	
Pulse Mode	Yes. Alternating clockwise and anticlockwise motion with 3 sec stop for better and thorough mixing	
Digital Display	Yes	
Accuracy	+/- 10 RPM	
Plate Dimensions (SS)	184X184 mm	250 x 250 mm
Input Voltage	240 V	
Max. Stir bar length	80 mm	100 mm
Protection class	IP 21	
Structure frame size (With adjustable height)	394 x 392 x 101 mm	505 x 500 x 105 mm

Brushless DC Motor

Microprocessor Controlled

Digital Display for Speed and Time

Pulse Mode

i Stir HP5M / 10M / 15M

5 / 10 / 15 Station Heated Magnetic Stirrer with Microprocessor & Brushless Motor

Multi Station Magnetic Stirrer for multiple samples simultaneous Stirring & Heating

- Powerful BLDC motor delivers constant speed
- Microprocessor controlled multi position stirrer with variable speed and time setting and also with last run memory function
- High performance multi position stirrer with 5/10/15 stirring positions with optimum use of laboratory space
- Variable speed ranging from 300-1500 RPM in steps of 10 RPM
- Timer setting from 1-999 mins and infinite
- Heater temperature setting from ambient to 120° C
- Homogenous temperature distribution across heating plate
- Programmable Pulse mode - reverses direction for better mixing
- Closed design allows easy cleaning and protects the equipments from accidental spills
- Water proof heater with inbuilt safety cutoff
- Non slip strength rubber feet

Specifications	iStir HP 5M	iStir HP 10M	iStir HP 15M
Motor Type	BLDC		
Number of Stirring Positions	5	10	15
Stirring Quantity Max	400 ml per position		
Variable Speed	300-1500 RPM in steps of 10 RPM		
Heater Temperature Range	Ambient to 120° C		
Run Time	1-999 mins & infinite		
Pulse Mode	Programmable pulse mode - user can set time from 30 to 99 seconds		
Set-up Plate Material	Stainless steel plate with silicone sheet		
Set-up Plate Dimensions	565 x 136 x 75 mm	565 x 196 x 75 mm	565 x 282 x 75 mm
Weight	3 kg	5 kg	7 kg
Protection Class	IP 42		

Brushless DC Motor

Microprocessor controlled

Programable Pulse Mode

Digital Display

i Stir HP550 / *i* Stir HP350

Hot Plate Magnetic Stirrer

- Robust chemical resistance ceramic top made up of nano crystalline glass ceramic resistant to temperature shocks and liquid splash
- Elevated control panel for protection against leaking liquids
- Large display for easy setting for all values. All set values are readily visible without toggle. No shared display
- Slip detection mode to detect stir bar slip and automatically bring the stirring operations to most optimal limits
- 3 heating modes for rapid, gradual & accurate heating
- Pulse mode for vigorous mixing of liquids
- Constant speed even with change of load or viscosity
- Compatible with a PT-1000 temp. probe to accurately measure temperature of media. It is available as an optional accessories
- Powerful BLDC motor delivers constant speed under varying load condition
- Safe Temperature setting for safety & to avoid overheating
- RS - 232 interface
- Optional Accessaries :-   PT 1000 Temperature probe
   Support stand with boss head
   Remote pendant control

Specifications	iStir HP550	iStir HP350
Stirring Quantity in Ltr (max)	20	
Heating Temp Range (°C)	Ambient to 550°C	Ambient to 350°C
Speed Range (rpm)	200 - 2200 in steps of 10 RPM	
Number Of Stirrer positions	1	
IP Rating	IP 21	
Setup plate Feature	Ceramic Plate	
Set-up Plate Dimensions	180 x 180 mm	
RS 232 interface	Yes	
Temp Accuracy of setup plate	±1°C	
Temp Accuracy of PT-1000 Probe	±0.1°C	
Safety temp circuit	Yes	
Product weight (KG)	5.4 kg	
Slip detection	Yes	
External control panel	Optional	
Dimensions (WxDxH)	330 x 225 x 113 mm	

Microprocessor controlled

Slip Detection mode

**Auto Restart :** Hot Plate Stirrer resumes operation after a power failure or error condition

Lock Mode : This feature locks down the complete keypad functions after the user has set the parameters

No toggle display : Critical parameters are displayed without any toggle to ease the monitoring of operation

Unique design : Electronic circuit is uniquely position to ensure there is no damage to it even in the case of liquid spillage
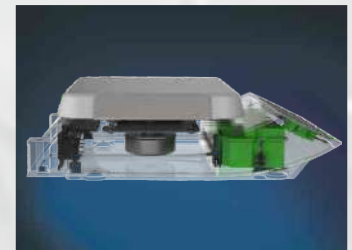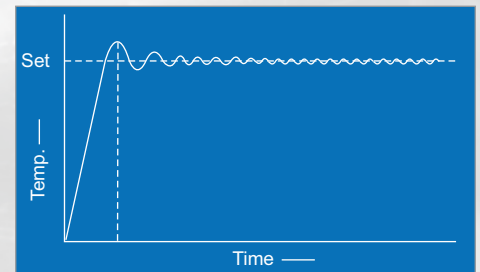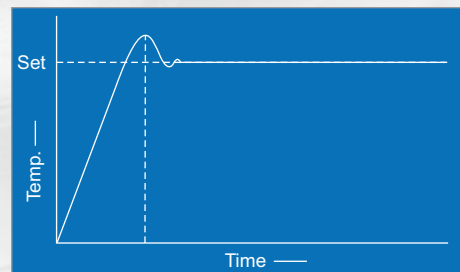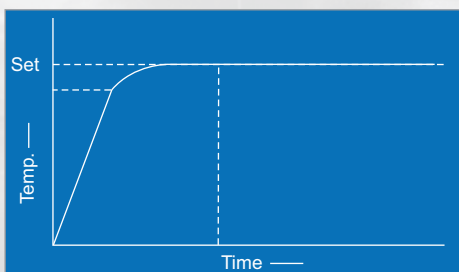
Pulse Mode : Reverse the stirring motion at programmable time for thorough mixing

3 heating modes for rapid, gradual & accurate heating

1) H01 : Slow heating with High Accuracy   **2) H02 : Fast heating with High Accuracy**   **3) H03 : Rapid Heating with Overshoot**

i Stir OH Prime

Prime Series of Overhead Stirrers

- Brushless DC motor for quiet operation and maintenance free long operation

- Microprocessor controlled for maintenance of accuracy even with viscous liquid

- Viscosity up to 30,000 mPas & 40 L volume

- Adjustable speed ranging from 50 Up to 2000 RPM

- Long timer setting from 1min to 99 hours 59 mins & continuous mode

- With reversible mixing motion - CW/CCW

- Large digital display for all the parameters at one glance

- Uninterrupted operation through Smart control

- Safety cut for overload, over current & over temperature

- Counter reaction to speed change

- Push through shaft for viscous liquid or smaller vessels

Specification	iStir OH 10 Prime	iStir OH 15 Prime	iStir OH 20 Prime	iStir OH 40 Prime
Motor Type	Brushless DC	Brushless DC	Brushless DC	Brushless DC
Capacity	10 L	20 L	25 L	40 L
Speed Range	50-2500 RPM	50-1000 RPM	50-2000 RPM	50-1000 RPM
Torque	10 Ncm	15 Ncm	20 Ncm	40 Ncm
Viscosity	1000 mPas	8000 mPas	10000 mPas	30000 mPas
Timer	1 min to 99 hr 59 mins & infinity mode	1 min to 99 hr 59 mins & infinity mode	1 min to 99 hr 59 mins & infinity mode	1 min to 99 hr 59 mins & infinity mode
Direction of Rotation	CW Only	Reversible - CW / CCW	Reversible - CW / CCW	Reversible - CW / CCW
Protection Class	IP 40	IP 54	IP 54	IP 54
Dimension(Head)	79 x 225 x 179 mm	79 x 225 x 179 mm	79 x 225 x 179 mm	79 x 225 x 179 mm
Weight	1.4 kgs	1.7 kgs	1.8 kgs	1.8 kgs

BLDC Motor   **Large Display**   **Power Intermittent**   **Microprocessor Controlled**   **CW / CCW Motion**   **Safe Stirring**   **IP Protected**

i Stir OH Elite

Elite Series of Overhead Stirrers

- Brushless DC motor for quiet operation and maintenance free long operation

- Microprocessor controlled for maintenance of accuracy even with viscous liquid

- Viscosity up to 70,000 mPas & 100 L volume

- Adjustable speed ranging from 50 Up to 2000 RPM

- Long timer setting from 1min to 99 hours 59 mins & continuous mode

- With reversible mixing motion - CW/CCW

- Large digital display for all the parameters at one glance

- Uninterrupted operation through Smart control

- Safety cut for overload, over current & over temperature

- Counter reaction to speed change

- Push through shaft for viscous liquid or smaller vessels

Specification	iStir OH 50 Elite	iStir OH 75 Elite	iStir OH 100 Elite
Motor Type	Brushless DC	Brushless DC	Brushless DC
Capacity	50 L	75 L	100 L
Speed Range	60-2000 RPM	60-2000 RPM	60-1300 RPM
Torque	50 Ncm	75 Ncm	100 Ncm
Viscosity	30000 mPas	50000 mPas	70000 mPas
Timer	1 min to 99 hr 59 mins & infinity mode	1 min to 99 hr 59 mins & infinity mode	1 min to 99 hr 59 mins & infinity mode
Direction of Rotation	Reversible - CW / CCW	Reversible - CW / CCW	Reversible - CW / CCW
Protection Class	IP 42	IP 42	IP 42
Dimension(Head)	102 x 249 x 242 mm	102 x 249 x 242 mm	102 x 249 x 242 mm
Weight	5.1 kgs	5.1 kgs	5.1 kgs

BLDC Motor   Large Display   Power Intermittent   Microprocessor Controlled   CW / CCW Motion   Safe Stirring   IP Protected

i Stir OH Elite+

Elite+ Series of Overhead Stirrers

iStir OH ELITE+ Remote

- Brushless DC motor for quiet operation and maintenance free long operation
- Microprocessor controlled for maintenance of accuracy even with viscous liquid
- Viscosity up to 70,000 mPas & 100 L volume
- Adjustable speed ranging from 50 Up to 2000 RPM
- Long timer setting from 1min to 99 hours 59 mins & continuous mode
- With Torque display (trend) & external temperature sensor- PT 1000 Probe
- With reversible mixing motion - CW/CCW
- Large digital display for all the parameters at one glance
- Uninterrupted operation through Smart control
- Safety cut for overload, over current & over temperature
- Counter reaction to speed change
- Push through shaft for viscous liquid or smaller vessels

Specification	iStir OH 50 Elite+	iStir OH 75 Elite+	iStir OH 100 Elite+
Motor Type	Brushless DC	Brushless DC	Brushless DC
Capacity	50 L	75 L	100 L
Speed Range	60-2000 RPM	60-2000 RPM	60-1300 RPM
Torque	50 Ncm	75 Ncm	100 Ncm
Viscosity	30000 mPas	50000 mPas	70000 mPas
Timer	1 min to 99 hr 59 mins & infinity mode	1 min to 99 hr 59 mins & infinity mode	1 min to 99 hr 59 mins & infinity mode
Direction of Rotation	Reversible - CW / CCW	Reversible - CW / CCW	Reversible - CW / CCW
Protection Class	IP 42	IP 42	IP 42
Dimension(Head)	102 x 249 x 242 mm	102 x 249 x 242 mm	102 x 249 x 242 mm
Weight	5.3Kg (with Remote)	5.3Kg (with Remote)	5.3Kg (with Remote)

BLDC Motor | Large Display | Power Intermittent | Microprocessor Controlled | CW / CCW Motion | Safe Stirring | IP Protected | Remote Operation | Temp. Sensor

i Shak BL UNO VT

Personal Microplate Shaker

i Shak Quattro

4 Plate Shaker

The Microplate Shaker is an essential instrument for mixing in individual micro plates of different types

- 3 mm orbital motion for (iShak Quattro) & 2 mm (iShak Uno) thorough mixing in microplates
- Brushless DC motor for quiet operation and maintenance free long life
- Microprocessor controlled microplate shaker with variable speed and time setting and also with last run memory function
- Microplates platform and rubber o-ring provides firm grip of plate holding
- Easy access to all 4 plates for loading and unloading (iShak Quattro)
- Digital display for ease of operation
- Pulse mode for vigorous shaking (iShak Quattro)
- Independent start switch activates shaker for preset speed and time for repeatability in tests
- Low voltage instrument ensure user and product safety
- Accepts all standard microplates

Specifications	iShak BL UnoVT	iShak Quattro
Motor Type	BLDC motor	
Orbital Motion	2 mm	3 mm
Number of plates	1	4
Variable Speed	300 RPM to 1800 RPM	200 RPM to 1200 RPM
Run Time	1 to 99 mins & inf	1 to 999 mins & inf
Pulse mode	No	Yes
Maximum Volume	384 x 60 µl	4 plates x 384 x 60 µl
Inbuilt Counterbalance	Yes	Yes
Dimensions (LxWxH)	127 x 85 x 86 mm	88 x 343 x 195mm
Digital Display	Yes	Yes
Power Consumption	9 W	16 W
Attachments (included in standard pack)	Replaceable Clamps	NA
	foam attachment for 20 x 5 ml tubes	

Microprocessor Controlled

Brushless DC Motor

Digital Display

Counter balance for stable operation

i Therm D150-2

Double Block Digital Thermal Dry Bath

- Dry heating block with temperature control range from Ambient +5° C- 150° C
- Aluminium made blocks, resistant to chemical spillage & temperature shocks
- 2 heating blocks with long timer range from 1min- 99hr 59mins & infinite mode
- Large & clear display shows critical parameters. All set values are readily visible without toggle with no shared display
- Programmable feature for - User can set and save upto 99 user defined programs (protocols)
- Corrosive free SS instrument top & heating wells
- Comes with PT-1000 temperature probe & thermometer well for accurate measurement of 2 temperature
- Various type tube capacity with convenient lifting gear for cleaning & disinfecting
- Rapid heating & constant temperature across the blocks throughout operation
- Build in safe temperature protection

Specifications	iTherm D150-2
Temperature Range	Ambient +5° C to 150° C
Temperature Accuracy	±0.5°C
Temperature Display Accuracy	0.1°C
Number of Blocks	2
Set-up Block material	Aluminium
Display	Digital
Timer	1min - 99hr 59mins & infinite
Programmable Mode	Yes, (Save upto 99 user defined programs)
Protection class	IP 21
Dimesnions (W x D x H)	108 x 72 x 50 mm

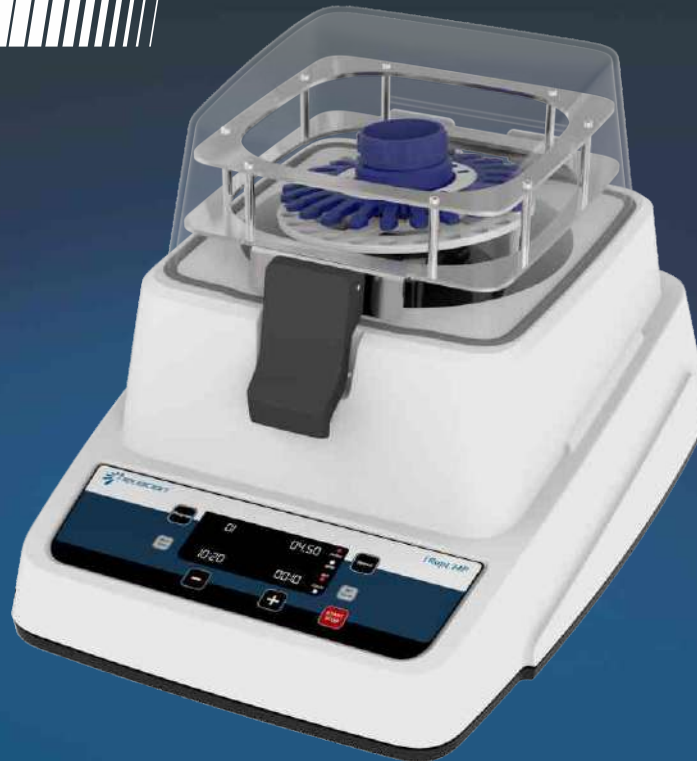Wide temperature range

Removable blocks

Digital Display

Accurate temperature control

i Rupt 24P

Cell / Tissue Homogenizer

- Ideal homogenizer for extraction from samples like bacterial/yeast cells, plant tissues, animal tissues etc. for molecular analysis
- Accommodates wide range of screw cap homogenizing tubes sizing 24 x 1.5 mL, 24 x 2 mL and 12 x 5 mL with adaptors
- Powerful BLDC maintenance free motor - Homogenizes the most challenging samples
- Designed to generate lesser heat and convenient loading
- Upto 99 programmable memory settings
- Variable cyclic intervals for effective homogenization
- Features an integrated lid lock for user safety by prevent lid opening during operation
- Various type tube capacity with convenient lifting gear for cleaning & disinfecting
- Easy user interface with large digital display

Specifications	iRupt 24P
Agitation Speed Range	0.80 m/s ~ 7.50 m/s (in steps of 0.05 m/s)
	490 rpm - 4550 rpm (in step of 30 rpm)
Run Time	1 second to 90 second (in 1 sec increment)
Pause Time	10 second to 600 second (in 1 sec increment)
Programmable (Stored)	99 Saved Programs
Number of Cycles	10
Number of Samples (Capacity)	1~24 samples (24 x 1.5 mL, 24 x 2 mL)
Weight	32.5kg
Power Supply	230 VAC/ 50Hz
Power Consumption	160 W
Dimesnions (W x D x H)	350 x 490 x 315 mm

BLDC Motor   Imbalance Detection   Digital Display   Lid Safety Lock

i Shak TS4

4 Plate Incubated Shaker

- 3 mm orbital motion for thorough mixing in microplates
- Brushless DC motor for quiet operation and maintenance free long life
- Temperature setting range from Ambient to 70°C
- Adjustable speed ranging from 200 to 1200 RPM
- Microprocessor controlled digital display
- Long timer setting up to 99 hours & 59 minutes
- Critical parameters like Speed, Time & Set & Actual temperature are digitally displayed
- Rubber O-ring provides firm grip for plate holding
- Programmable pulse mode for vigorous shaking in clockwise and counter-clockwise direction
- Compatible with all skirted microplates
- Easy to clean & maintain the equipment

Specifications	iShake TS4
Motor Type	BLDC Motor
Orbital Motion	3 mm
Numbers of plates	Upto 4
Heat Temperature Range	Ambient to 70°C
Variable Speed	200 RPM to 1200 RPM
Run Time	1 to 999 mins & inf
Pulse Mode	Yes, Programmable (30 sec to 99 sec)
Display	7 Segment LED
Maximum Volume	4 Plates x 384 x 60 µl
Inbuilt Counterbalance	Yes
Dimesnions (W x D x H)	365 x 196 x 150 mm

Microprocessor Controlled
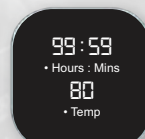
Brushless DC Motor

Digital Display

Pulse mode for thorough mixing

i Shak 3D-3 & *i* Shak 3D-5

Digital 3D Shaker with Microprocessor & Brushless Motor

- Brushless DC motor for quiet and maintenance free long operation
- Three dimensional rocking / tumbling motion for homogenous mixing
- Microprocessor controlled 3D shaker with variable speed and time setting and also with last run memory function
- Variable speed setting from 10 to 80 RPM for 3 kg shaker and 15-120 RPM for 5 kg shaker in steps of 5 RPM
- Long timer range from 1-999 mins & infinite mode
- Programmable feature in which user can set and save upto 9 user defined programs (protocols)
- Unique 'Run-Pause-Run' pulse mode - user can set time from 30 to 99 seconds
- Includes spiked rubber mat & an optional accessory of sticky pad mat
- Easy to clean and protects the equipments against penetration of liquids. (IP 21 protection)
- Non slip rubber feet for stable operation

Specifications	iShak 3D-3	iShak 3D-5
Weight (Capacity)	3 kg	5 kg
Variable Speed	10-80 RPM	10-120 RPM
Motor Type	BLDC	
Movement	Tumbling 7°	
Run Time	1-999 mins & infinite	
Programmable Mode	Yes. User can set and save upto 9 user defined programs (protocols)	
Pulse Mode	Unique Run-Pause-Run pulse mode - User can set time from 30 to 99secs	
Digital Display	7 Segment LED	
Attachment (included in standard pack)	Spiked Rubber Mat	
Optional Attachment	Sticky Pad Mat	
Plate size	307mm x 267 mm	350 x 350 mm
Protection class	IP 21	

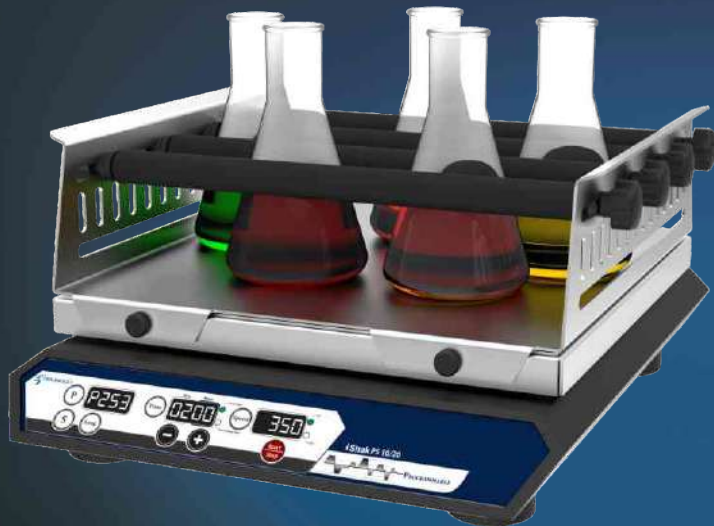**Microprocessor Controlled**   **Brushless DC Motor**   **Digital Display**   **Momentary pause in Pulse mode**

i Shak PS 10/20

10mm / 20mm, Multipurpose Platform Shaker

Attachments	Platform Shaker attachments
UA-01	Universal platform with adjustable bars (Flask capacity- 13 x 100ml / 13 x 150ml / 9 x 250ml / 6 x 500 ml / 5 x 1000ml)
DA-01	Disk attachment Base plate with slip resistence tray
FA-01	Funnel Attachment
SH01-PPC	Base plate for plastic clamps (Capacity- 9 clamps x 250ml / 9 clamps x 500ml)
SPC-1	Plastic clamps for 250 ml flask suitable for SH01-PPC
BPC-1	Plastic clamps for 500 ml flask SH01-PPC
SH01-SSP-250	Base plate for SS clamps (Capacity- 9 clamps x 100ml / 9 clamps x 150ml / 9 clamps x 250ml). Clamps not included
SC-100	Stainless steel clamp for 100 ml flask suitable for base plate SH01-SSP-250
SC-150	Stainless steel clamp for 150 ml flask suitable for base plate SH01-SSP-250
SC-250	Stainless steel clamp for 250 ml flask suitable for base plate SH01-SSP-250
SSP-500	Base plate for SS clamps (Capacity- 9 clamps x 500ml / 5 clamps x 1000ml). No clamps included
SC-500	Stainless steel clamp for 500 ml flask suitable for base plate SH01-SSP-500
SC-1000	Stainless steel clamp for 1000 ml flask suitable for base plate SH01-SSP-500

- Platform shaker with true Orbital and Linear reciprocating motion, for shaking mass upto 7.5kg
- Brushless DC motor for long life and maintenance free operation
- Dedicated LED display for Speed, Time & Program parameters
- Time ranging from 1 min to 99 hours
- Program mode allows to set motion direction, speed, time, dwell time, sequence and loop operation
- User can save upto 6 programs with each program having 9 sub - programs
- Different attachments platform makes it possible to use almost all shapes and sizes of vessels
- Protection rating of IP21

*While ordering do specify the motion type & displacement (linear/ orbital -10/20 mm) & the attachment

Specifications	iShak PS 10	iShak PS 20
Shaking movement	Orbital / Linear	
Orbital diameter	10 mm	20 mm
Max Weight	Upto 7.5 kg	Upto 7.5 kg
Speed	50 RPM To 500 RPM	50 RPM To 300 RPM
Motor Type	Brushless DC motor	
Time Setting Range	Upto 99.59 hrs	
IP	IP 21	
Programable feature	6 programs with each program having 9 sub-programs	
Platform Size (LxW)	330 x 330 mm	
Program Looping	Yes	
Dimensions (WxDxH) in mm	350 x 408 x 99 mm	

Brushless DC Motor

Microprocessor Controlled

User Programable

Pulse Mode

i Shak US15

30 mm - 70 mm Diameter, Orbital / Linear motion

Attachments	Platform Shaker attachments
UA-15	Universal platform with adjustable bars (Flask capacity-44x100 / 36x150 / 36x250 / 25x500 / 13x1000)
SH02-PPC	Base plate for plastic clamps (Capacity 24 x 250 ml / 24 x 500 ml). Clamps not included
SPC-1	Plastic clamp 250 ml suitable for base plate SH02-PPC
BPC-1	Plastic clamps 500 ml suitable for base plate SH02-PPC
SSP-250	Base plate for SS clamps (Capacity 24 x 100 ml / 24 x 150 ml / 24 x 250 ml). clamps not included
SC-100	Stainless steel clamp 100 ml flask suitable for Base Plate SSP-250
SC-150	Stainless steel clamp 150 ml flask suitable for Base Plate SSP-250
SC-250	Stainless steel clamp250 ml flask suitable for Base Plate SSP-250
SH02-SSP-500	Base plate for SS clamps (Capacity 24 x 500 ml / 8 x 1000 ml) Clamps not included
SC-500	Stainless steel clamp 500 ml flask suitable for Base Plate SH02-SSP-500
SC-1000	Stainless steel clamp 1000 ml flask suitable for Base Plate SH02-SSP-500

- Platform shaker with true Orbital and Linear reciprocating motion, for shaking mass upto 15 Kg.
- Brushless DC motor for long life and maintenance free operation
- Dedicated LED display for Speed, Time & Program parameters
- Time ranging from 1 min to 99 hours & 59 minutes
- Program mode allows to set motion direction, speed, time, dwell time, sequence and loop operation
- User can save upto 6 programs with each program having 9 sub - programs
- Different attachments platform makes it possible to use almost all shapes and sizes of vessels
- Protection rating of IP 21

*While ordering do specify the motion type & displacement (linear or orbital / 30 -70 mm) & the attachment

Specifications	iShak US15
Shaking movement	Orbital / Linear
Orbital diameter*	30, 40, 50, 60, 70 mm
Max Weight	Upto 15 kg
Speed	50 To 300 RPM
Motor Type	Brushless DC motor
Time Setting Range	1 min to 99.59 hrs
Platform Size (L x W)	745 mm x 490 mm
IP	IP 21
Programable feature	6 Programs with each program having 9 sub - Programs
Program Looping	Yes
Dimensions (L x W x H)	825 mm x 625 mm x 165 mm

Brushless DC Motor | Microprocessor Controlled | User Programable | Pulse Mode

i Shak IS 7.5
Incubated Platform Shaker
Capacity : Upto 7.5kg
Orbital Diameter : 20 mm
Max Speed : 50 to 300 RPM

L400P
Versatile Lab Centrifuge
Capacity : 4 x 100 ml
Max Speed : 500 to 4500 RPM

Fine Care Corporation Pvt Ltd

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