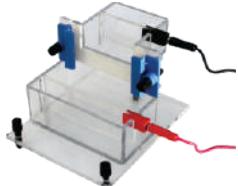


**BIOTECHNOLOGY, MICROBIOLOGY,  
 MEDICAL INSTRUMENTS, CENTRIFUGES  
 & REFRIGERATED CENTRIFUGES**



Electrophoresis  
Horizontal



Electrophoresis  
Vertical



Vortex  
Shaker



Anaerobic  
Culture Jar



Mini  
Centrifuge

**LAB PLASTIC WARE**

- **Gel Electrophoresis** -----
- **Paper Electrophoresis** -----
- **Electrophoresis Power Supplies** -----
- **U.V. Tranilluminators** -----
- **Gel Documentation System** -----
- **Anaerobic Culture Jar** -----
- **Vortex Mixer** -----
- **Lab Centrifuge Machines Wide Range** -----  
 (Mini, Micro, Microplates, Low speed, High speed, Refrigerated)
- **Medical Instruments and Centrifuges** -----
- **Hematocrit Centrifuge** -----
- **Cyto Centrifuge** -----
- **General Purpose Centrifuges** -----
- **Research Centrifuges** -----
- **Refrigerated Centrifuges** -----



Micro  
Centrifuge



Laboratory  
Centrifuge



General Purpose  
Lab. Centrifuge



Refrigerated  
Centrifuge

# Introduction

**Laby**™



**Make-In-India**

**Our company is established on 16 October, 2010.**

**Our is ISO : 9001, ISO : 13485, WHO-GMP, CE Certified company granted with Udyog Aadhar by MSME-Govt. of India.**

**All products mentioned in our catalogue are MADE -IN-INDIA by Laby.**

**Nothing doing with China.**

**We are fighting competition with China because of our prices are less then Chinese manufacturers.**

**We have our exclusive designs of our products as mentioned in our catalogue.**

**We have above 200 Die-moulds & Fixtures and testing Equipments.**

**Our factory is equipped with CNC Turning, Lathes, Miling Machine, CNC drilling and Taping Center, Motor making plant, paint Shop. Any customer can visit our plant to become proof of that what we are saying.**

**We are proud of our Hon'able Prime Minister Sh. Narinder Modi Jee with his excellence vision for Industry Make-in-India and we are doing it with zero error tolerance.**

**Now it is your turn to promote Made-in-India.**

## CERTIFICATES

*Laby*™



ISO : 9001, ISO : 13485, GMP, CE, MSME

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# INDEX.....



## ANALYTICAL EQUIPMENT

SR NO	Name of Products	Model No.	Page No.
1	ANAEROBIC CULTURE JAR	ANAR-2	1
2	GEL ELECTROPHORESIS HORIZONTAL	GE-1	2
3	GEL ELECTROPHORESIS VERTICAL	GE-2	3
4	GEL ELECTROPHORESIS TETRA CELL VERTICAL GEL	DVG-2	4
5	GEL DOCUMENTATION SYSTEMS	GD-1 & GD-2	5-6
6	JAR RECTANGULAR POLYCARBONATE	JAR-10	7
7	PAPER CHROMATOGRAPHY KIT	PC-10	8
8	PAPER ELECTROPHORESIS HORIZONTAL & VERTICAL	PEH-1 & PEV-2	9
9	POWER SUPPLIES ELECTROPHORESIS ANALOG & DIGITAL, MULTI USE	EP-1 & EP-2	10
10	POWER SUPPLIES ELECTROPHORESIS DIGITAL MULTI USE	EP-3, EP-4, EP-5	11
11	U.V. TRANSILLUMINATOR (COLLEGE MODEL)	UV-365, UV-254 UV-365/254	12
12	U.V. TRANSILLUMINATOR (RESEARCH MODEL)	UV-302, UV-302/365	13
13	VORTEX MIXTURE	VM-20	14
14	WESTERN BLOTTING SYSTEM	WB-02	15

## MEDICAL EQUIPMENTS

SR NO	Name of Products	Page No.	Page No.
1	Blood Bag Tube Sealer with Battery or without Battery	BBS-10 & 11	16
2	Haemoglobinometer	HB-10	17
3	Photoelectric Colorimeter	PHOTIC-10	18

## CENTRIFUGES FOR MEDICAL LAB PURPOSE

SR NO	Name of Products	Model No.	Page No.
1	CYTOLGY CENTRIFUGE (BRUSHLESS MOTOR)	CYTY-8	19
2	HEMATOCRIT CENTRIFUGE 13000 RPM (CARBON MOTOR)	T-15	20
3	MEDICAL CENTRIFUGE 28000 RPM - WITH ANGLE HEAD 8x15ML & SWING HEAD 8 VACC. OF 4ML (BRUSHLESS MOTOR)	M-4 & M-5	21
4	MEDICAL CENTRIFUGE 28000 RPM - WITH ANGLE HEAD 12x15ML & SWING HEAD 16 VACC. OF 4ML (BRUSHLESS MOTOR)	M-6 & M-7	22
5	MEDICAL CENTRIFUGE 28000 RPM - WITH SWING HEAD 16x15ML (BRUSHLESS MOTOR)	M-8	23

# INDEX.....



## CENTRIFUGES FOR MEDICAL LAB PURPOSE

SR NO	Name of Products	Model No.	Page No.
6	MEDICAL CENTRIFUGE 28000 RPM - WITH SWING HEAD 24 VACC. OF 4ML (BRUSHLESS MOTOR)	M-9	24
7	MEDICAL CENTRIFUGE 28000 RPM - WITH SWING HEAD 24x15ML (BRUSHLESS MOTOR)	M-9A	25
8	MEDICAL CENTRIFUGE 28000 RPM - WITH SWING HEAD 32x15ML (BRUSHLESS MOTOR)	M-10	26
9	MEDICAL CENTRIFUGE 28000 RPM - WITH SWING HEAD 48 VACC. OF 4ML (BRUSHLESS MOTOR)	M-11	27
10	MEDICAL CENTRIFUGE 4000 RPM (BRUSHLESS MOTOR)	BLDC-4	28
11	MEDICAL CENTRIFUGE 5000 RPM (CARBON MOTOR)	C-5000	29
12	PRP CENTRIFUGES (CARBON MOTOR)	PRP-4M & PRP-8M	30-31
13	PRP REFRIGERARTED CENTRIFUGE (-10°C) (CARBON MOTOR)	PRP-60	32

## CENTRIFUGES MULTIPURPOSE MEANS FOR MEDICAL, ANALYTICAL & RESEARCH LABS

SR NO	Name of Products	Model No.	Page No.
1	CELL WASH CENTRIFUGE 96 PLATES 2850 RPM (BRUSHLESS MOTOR)	T-6	33
2	CENTRIFUGE GENERAL PURPOSE 4400 RPM (CARBON MOTOR)	T-4M	34
3	CENTRIFUGE GENERAL PURPOSE 5200 RPM (CARBON MOTOR)	T-8M	35
4	CENTRIFUGE GENERAL PURPOSE 5200 RPM DELUXE MODEL	T-8DX	36
5	CENTRIFUGE GENERAL PURPOSE 6000 RPM (BRUSHLESS MOTOR)	T-8BL	37
6	CENTRIFUGE LAB. HIGH CAP. 6000 RPM (BRUSHLESS MOTOR)	T-9BL	38
7	CENTRIFUGE LAB. MED-HIGH SPEED 10000 RPM (CARBON MOTOR)	T-10M	39
8	CENTRIFUGE UNIVERSAL RESEARCH PURPOSE 20000 RPM (BRUSHLESS MOTOR)	T-24BL	40
9	CENTRIFUGE UNIVERSAL RESEARCH PURPOSE 20000 RPM PLC BASED TOUCH SCREEN (BRUSHLESS MOTOR)	T-25BL	41
10	MICRO CENTRIFUGE 13000 RPM (CARBON MOTOR)	T-13	42
11	MICRO CENTRIFUGE 16000 RPM (BRUSHLESS MOTOR)	T-16BL	43
12	MICRO CENTRIFUGE 16000 RPM (CARBON MOTOR)	T-16	44
13	MICRO CENTRIFUGE 20000 RPM (BRUSHLESS MOTOR)	T-20BL	45
14	MINI CENTRIFUGE NON DIGITAL	T-2	46
15	MINI CENTRIFUGE DIGITAL	T-1	47

## REFRIGERATED CENTRIFUGES

SR NO	Name of Products	Model No.	Page No.
1	MICRO REFRIGERATED CENTRIFUGE 16000 RPM, CARBON MOTOR (-10°C)	T-40	48
2	MICRO REFRIGERATED CENTRIFUGE 16000 RPM, CARBON MOTOR (-20°C)	T-50	49
3	MICRO REFRIGERATED CENTRIFUGE 20000 RPM, BRUSHLESS MOTOR (-20°C)	T-55BL	50
4	UNIVERSAL REFRIGERATED CENTRIFUGE 16000 RPM, CARBON MOTOR (-10°C)	T-45	51
5	UNIVERSAL REFRIGERATED CENTRIFUGE 16000 RPM, CARBON MOTOR (-20°C)	T-60	52
6	UNIVERSAL REFRIGERATED CENTRIFUGE 20000 RPM, MICROPROCESSOR BASED BRUSHLESS MOTOR (-20°C)	T-70BL	53
7	MICRO PLATE REFRIGERATED CENTRIFUGE 2800 RPM, BRUSHLESS MOTOR (-20°C)	T-65	54
8	UNIVERSAL REFRIGERATED CENTRIFUGE 20000 RPM, TOUCH SCREEN PLC BASED, BRUSHLESS MOTOR (-20°C)	T-90BL	55
9	FLOOR MODEL REFRIGERATED CENTRIFUGE 20000 RPM, TOUCH SCREEN PLC BASED, BRUSHLESS MOTOR (-20°C)	T-100BL	56
10	FLOOR MODEL REFRIGERATED CENTRIFUGE 8000 RPM, BRUSHLESS MOTOR (-20°C)	T-120BL	57



# Anaerobic Culture Jar 3.5 Lit.

**Laby**™



- Fitted with Lid having vacuum cum pressure gauge, vacuum/pressure valve and safety valve.
- This type of Lid is required when gases from gas cylinders are used to generate anaerobic condition inside the jar



Extra Plain Lid is also supplied as standard to make it Two-in-one



Extra plain lid is also supplied which is fitted in case of ready-made gas packs are used to generate Anaerobic conditions

## Model: Anar-2

Gas Pack

### Specifications

- Transparent Anaerobic Culture Jar of 3.5.lit. capacity which is made of Polycarbonate.
- The lid of the jar is made of Aluminum pressure die Casting fitted with Pressure Valve, Vacuum Valve,
- Safety Valve & compound Pressure cum vacuum gauge, three finger aluminum clamp and sealing "O" ring.
- This is recommended only where inside air of jar is removed thru vacuum pump and CO<sub>2</sub> is filled in the jar thru CO<sub>2</sub>gas cylinder to generate anaerobic condition in the jar.
- Also supplied with plain aluminum pressure die casted lid which can be fitted when readymade gas packs are used to generate the anaerobic conditions inside the jar.
- When readymade gas packs are used, there is no need of lid fitted with dial gauge etc., for extra life of equipment.

### Supply as above and completed with following accessories

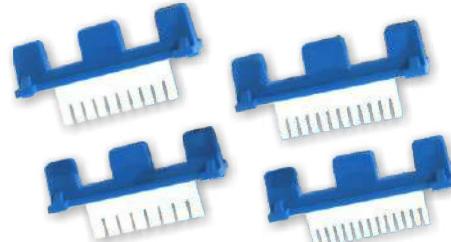
- ▶ Petri Plate Carrier, Stainless steel, for 10 Petri Dishes. 1 No.
- ▶ Test Tube Carrier, Stainless Steel 1 No.

### Optional consumables at extra cost

- Anaerobic Indicator, Box of 10 Tablets.
- Anaerobic Gas Pack, Price per Pkt. of 5 Sachets.

# Electrophoresis Horizontal Mini - Gel Nucleic Acid

**Laby**™



COMB 8 WELLS  
COMB 10 WELLS  
COMB 12 WELLS  
COMB 14 WELLS

GEL CASTING TRAY  
SIZE 7x7 CM

## Model: GE-1



GEL CASTER



GEL CASTING TRAY  
SIZE 10x7 CM

### Specifications

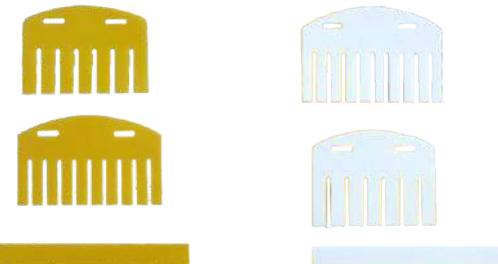
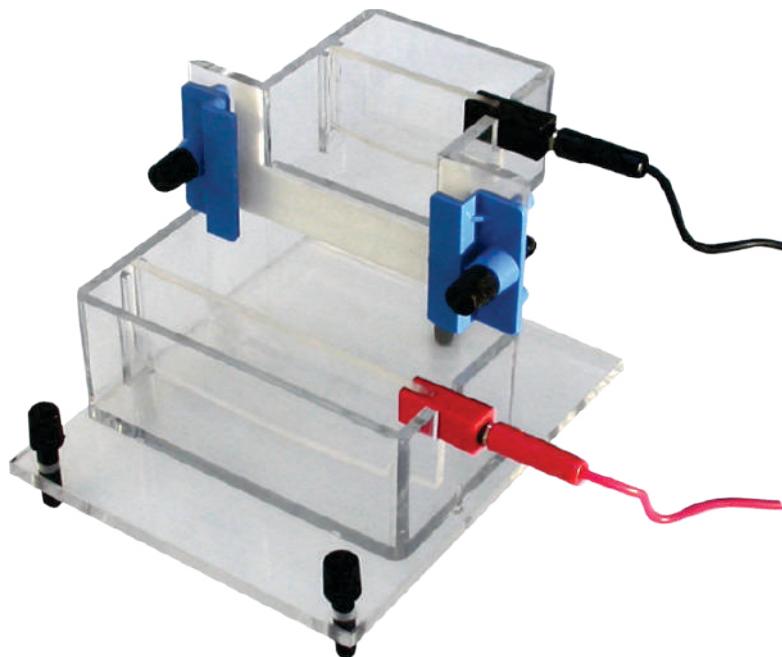
- It is required in biotechnology, Molecular Biology applications in colleges, Universities, Research Institutes.
- It is meant for Nucleic Acid (DNA-RNA) characterization.
- These are also called Submarine Electrophoresis Unit/Agrose Gel/Poly
- Acrylamide Gel Electrophoresis (Mini size)
- The unit is jointless, moulded of transparent Polycarbonate to avoid leakage.
- It is fitted with 2 Platinum Electrodes and supplied with transparent jointless safety lid which is also made of polycarbonate.
- It is completed with Buffer chamber, safety lid with cables.

### Supply As Above Complete With Following Accessories:-

► Comb 8, 10, 12 & 14 Wells	Set of 2 Pcs
► Gel Casting Tray 10x7cm	Set of 1 Pcs
► Gel Casting Tray 7x7cm	Set of 1 Pcs
► Gel Caster	Set of 1 Pcs
► Red And Black Cable	Set of 1 Pcs
► Instruction Manual	1 Each

# Vertical Electrophoresis System Mini - Gel Protein

**Laby**™



COMB 7 WELL (1mm)  
COMB 10 WELL (1mm)  
SPACER (1mm)

COMB 7 WELL (1.5mm)  
COMB 10 WELL (1.5mm)  
SPACER (1.5mm)



GEL CASTER

## Model: GE-2

### Specifications

- It is required in biotechnology, Molecular Biology applications in colleges, Universities, Research Institutes.
- It is meant for protein characterization.
- The buffer chamber is jointless, moulded of transparent Polycarbonate to avoid leakage. The unit is based on Acrylic sheet fitted with 3 leveling screws. Complete with Acrylic cover.

### Technical Parameters

► Dimensions (Outer) (LxWxH)	15 x 18 x 15 cm
► Gel Size (cm)	8 x 7 (1 Gel)
► Buffer Required (ml)	100 + 150
► Platinum Electrodes	2 Nos

### Supply As Above Complete With Following Accessories:-

► Wires Black and Red	1 each
► Glass Plate -1 & 1 Notched rectangular	Total 2 Nos.
► One set spacers of 1.0mm, 1.5mm	4 Pcs. Each
► Nylon moulded combs 7 &10 Wells	2 Sets (1 & 1.5 mm thick)
► Silicon Gasket	1 No.

# Tetra Cell Vertical Gel Electrophoresis Apparatus

**Laby**™



**Model: DVG-2**

## Specifications

- Vertical Electrophoresis Apparatus for Protein application.
- It is a 4 Cells system.
- Main Tank and Lid are moulded in Single Piece to ensure leak proof performance of Gel. These are made of polycarbonate.
- Overall Size :- W x L x H ( in mm) 150 x 115 x 120.
- The Electrodes are made of Platinum 99.9% pure.
- Voltage require 600 V DC and 500 Watts.
- 9 Types of Wells are supplied, which are made of Polycarbonate. .
- Detail of 9 types of Wells is as under :-

Nos of Wells	Well Width ↓	Well Depth ↓		Well Depth ↓		Well Depth ↓	
		0.75 mm	1.0 mm	1.5 mm			
5	12.7mm	Vol	20ul	Vol	105ul	Vol	160ul
10	5.08mm	Vol	33ul	Vol	44ul	Vol	66ul
15	3.35mm	Vol	20ul	Vol	26ul	Vol	40ul

## The Standard Setup consists Of The Followings :-

► Moulded Tank	1 No
► Moulded Lid	1 No
► Gel Casttes for Gel Casting	2 Nos
► Silicon Rubber	2 Nos
► Gel Dam Plates	2 Nos
► Platinum Electrodes	2 Nos.
► Red and Black Wire	1 Set
► Combs with Wells of Polycarbonate	4 Sets (0.1 & 0.5 mm thick)

# Gel Documentation System

**Laby**™

U.V. TRANS. (302 &365 nm)



Model: UV-302/365

Most Advance  
Nikon Digital SLR  
Camera  
(with Tilted Screen towards user)



Model: GD-1



Gel Doc Hood

## Specifications

Excellent optics coupled to a high quality camera, the gel. LUMINAX gel documentation system, is a high performance and reliable fluorescent and colorimeter bio-imaging system. Featuring 18 megapixel digital camera, the camera connects to a PC through a USB and can be controlled from the PC. The light-tight cabinet has a UV safety switch and a roll-out transilluminator. A choice of illumination options with UV trans/epi lighting, wave length-specific LEDs and more, adds to the versatility of the system.

Ultraviolet transilluminator is provide in 312 & 365 nm dual ranges. Filter size of tranilluminator is 210x260nm (which is extra large). Epi white light illumination from above is standard. Optionally, ultraviolet epi-illuminator in a variety of wavelengths can also be provided. The dark room cabinet has features for safety switch that switches off the UV lights as soon as the door is opened.

The gel doc system is perfect for diagnostic labs, Biotech start-ups for HLA typing facilities, DNA and protein research and academic labs.

## Camera Features

- ▶ 18 Megapixels Digital SLR Camera(DSLR).
- ▶ 8 GB Memory Card storage and 24 Bit RGB.
- ▶ Zoom Lense 18-55 mm and another Zoom Lenses 55-250mm.
- ▶ EtBr 590 Filter.
- ▶ 312nm / 365nm UV.
- ▶ Operates camera directly and also via P.C. (i.e, Live on computer).
- ▶ 7.7cm/3 LCD Hybrid CMOS Auto Focus.
- ▶ Wireless Remote control shooting of pictures directly from camera also Image storing card.
- ▶ Options:- Fixed LCD Screen and Tilt Rotatable Screen.

## Dark Room Cabinet Features

- ▶ Dark room cabinet having removable UV Transilluminator with UV safety cover
- ▶ Dark room cabinet (Gel Documentation hood have dark black finishing inside). It have special port for U.V. Transilluminator which can easily come out from cabinet.
- ▶ It have built in 2 white lights which works as E-epi-Illuminator.
- ▶ Built in device having the camera at top and base fitted with rubber feet.

## Software Features

- ▶ Gel capture software comes as standard accessories with digital camera.
- ▶ Complimentary C.D. of gel analysis software download from internet through special technique.
- ▶ Complimentary C.D. of TUTOR software download from internet through special technique.

## Advantages

- ▶ Easy to use, Low cost, yet high quality images.
- ▶ High Grade auto focus DSLR Camera that can be Mounted conveniently.
- ▶ Easy access to Transilluminator.
- ▶ Transilluminator can come out as fitted in drawer.

## U.V. Gel Transilluminator

Model: UV-302/365 is supplied with this system. Detailed description at page No. 13 .

ISO : 9001, ISO : 13485, GMP, CE, MSME

5

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# Gel Documentation System

**Laby**™

U.V. TRANS. (302 nm)



Model: UV-302

Nikon Digital SLR  
Camera  
(with Tilted Screen towards user)



Model: GD-2



Gel Doc Hood

## Specifications

- All the specifications are same as mentioned in our model GD-1 (Page No. 5).
- There are only difference in Camera and U. V. Transilluminator which is mentioned below.

## Camera Features

- 18 Megapixels Digital SLR Camera(DSLR) with fixed screen.
- 8 GB Memory Card storage and 24 Bit RGB.
- Zoom Lense 18-55 mm and another Zoom Lenses 55-250mm.
- EtBr 590 Filter.
- 302nm nm UV.
- Operates camera directly and also via P.C. (i.e, Live on computer).
- 7.7cm/3 LCD Hybrid CMOS Auto Focus.
- Wireless Remote control shooting of pictures directly from camera also Image storing card.
- Options:- Fixed LCD Screen

## U.V. Gel Transilluminator

Parameters	Model : UV - 302
Item	U.V. Transilluminator Smart Look Very Accurate Research work
► Intensity	312
► No. of U.V. Tubes	8
► Wattage	8 Watts
► Detection Limit	0.01 ngm. of stained DNA
► Viewing Area	210 x 260 mm
► Filter	Quartz Filter
► Body	Aluminium Pressure die body Furnished in Black Powder Coating
► UV Protection Shield	Yes

## Advantages

- Easy to use, Low cost, yet high quality images.
- High Grade auto focus DSLR Camera that can be Mounted conveniently.
- Easy access to Transilluminator.
- Transilluminator can come out as fitted in drawer.

# Rectangular Jar

**Laby**™



**Model: JAR-10**

## Specifications

- Multipurpose Transparent Rectangular Jar.
- It is made of Polycarbonate.
- It is one piece moulded Jar to guarantee a leak proof performance.
- Jar can stack one by one upto 4 rows.
- This jar can be used in various Laboratories for wider application.
- Size of the Jar is 300 x 300 x 150 (L x W x H) mm
- Jar comes with a plain Lid made of Polycarbonate Sheet.

# Paper Chromatography

**Laby**™



**Model: PC-10**

## Specifications

- First time in india and in house R & D of complete one year, we, M/s Laby had developed paper Chromatography Kit. Hence we are the sole manufacturer of Model-PC-10 Paper Chromatography Kit in the world.
- We have also applied for its patent.
- It is required in Colleges, Medical Colleges, Research Institutes for detection of RF Value.

## Technical Parameter

- Paper Chromatography Cabinet:** It is made of single piece bakelite moulding. The inner size of cabinet is 6" x 8" x 9" with front sliding glass door. The lid of cabinet is also made of bakelite.
- Stainless Steel Solvent Pot:** It is made of 316 Quality S.S. It is having the volume capacity of 150 ml. It is required to hold the solvent mixture.
- Stainless Steel Hanger:** It is a stainless Steel rod of size 6" and dia 2mm. It is used as hanger of Chromatography paper. It fits inside the grooves of the cabinet.
- Chromatography Paper "1-Chro":** It is the world standard Chromatography paper. A smooth surface, 0.18mm thick with linear flow rate (water) of 130 mm/30 min. Good resolution for general analytical Separation and having following special features.
  - Simultaneous development of multiple samples on the same sheet under identical conditions.
  - Sequential development of the same sample with solvent or different concentrations of the same solvent.
  - Suitability for two-dimensional chromatography (change in direction of the solvent front) with possible improved resolution.
- Drying Stand:** One stand is supplied to accommodate processed (wet) Chromatography Paper and to put it in oven to dry the same.
- Glass Sprayer with Rubber Balloon:** The sprayer is made of Borosilicate Glass, specially designed for spraying the indicators on Chromatography Paper. A rubber balloon is connected to it.
- Glass Syringe:** Glass syringe capacity 20ml. is provided to draw the solvent from S.S. Pot after practical is over.
- TLC Capillary:** Pkt. of 25 high quality fine capillaries are supplied with cabinet.

# Paper Electrophoresis

## Horizontal Vertical (3 Strips Capacity)

**Laby**™



**Model: PEH-1**  
Horizontal having 3 strips capacity.



**Model: PEV-2**  
Vertical having 3 strips capacity

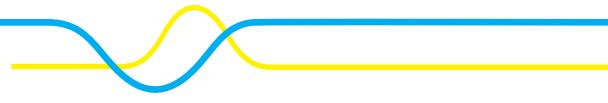
### Specifications

- The buffer chamber is made out of single moulded piece to avoid leakage of buffers.
- It is made of transparent poly carbonate.
- The unit have 2 Platinum electrodes, supplied with their banana sockets defined in black and red colour.
- Horizontal paper strip holder to adopt 3 pare strips is supplied with horizontal unit.
- Vertical strip holder to adopt 3 paper strip in vertical position is supplied with vertical unit.
- Supply complete with respective protection cover, red and white cables.
- To work on 220 volts 50Hz A.C.
- Packed in corrugated box with instruction manual.

# Electrophoresis Power Supply

## Analog & Digital (Single Unit Use at a time)

**Laby**™



### Non Digital Fixed Current



Model: EP-1

#### Specifications

- Analog Model with fixed current 250mA and also 5 types of fixed voltage means 50V, 100V, 150V, 200V and 250V.
- It is recommended for mini Horizontal and mini vertical Electrophoresis Apparatus.
- The voltage is selected thru a 5 step voltage regulator. Example if selector switch is at 1 position. The LED light will glow at 50V means fixed voltage of 50V is selected. Like wise other voltage can be selected.

### Electrophoresis Power Supply Digital (Single Unit use at a time) (0-300V/0-500mA)



Model: EP - 2

#### Specifications

- Body made of ABS plastic injection moulded and is shock proof.
- Microprocessor based, programmable, Electrophoresis power supply.
- Variable voltage 0-300V.
- Variable current 0-500mA.
- Digital timer 9 hr. 99 minutes programmable
- Digital display of voltage and current thru 2 line 22 character LCD display.
- Digital display of timer in respect to set time and run time.
- For single unit use at a time.
- To work on 220 volts 50 Hz A.C.
- Supply is complete with cord & plug, instruction manual, packed in corrugated box.



### Electrophoresis Power Supply Digitals (4 Units run at a time)(0-300V/0-500mA)

#### Specifications

- Body made of ABS plastic injection moulded and is shock proof.
- Micro processor based, programmable, Electrophoresis power supply.
- Variable voltage 0-300V.
- Variable current 0-500mA.
- Digital timer 9 hr. 99 minutes programmable
- Digital display of voltage and current thru 2 line 22 character LCD display.
- Digital display of timer in respect to set time and run time.
- 4 Units can be run at a time.
- To work on 220 volts 50 Hz A.C.
- Supply is complete with cord & plug, instruction manual, packed in corrugated box.



Model: EP-3

### Electrophoresis Power Supply Digitals (Single Unit run at a time)(0-300V/0-900mA)

#### Specifications

- Body made of ABS plastic injection moulded and is shock proof.
- Microprocessor based, programmable, Electrophoresis power supply.
- Variable voltage 0-300V.
- Variable current 0-900mA.
- Digital timer 9 hr. 99 minutes programmable
- Digital display of voltage and current thru 2 line 22 character LCD display.
- Digital display of timer in respect to set time and run time.
- For Single unit use at the same time.
- To work on 220 volts 50 Hz A.C.
- Supply is complete with cord & plug, instruction manual, packed in corrugated box.



Model: EP-4

### Electrophoresis Power Supply Digitals (4 Units run at a time) (0-500V/0-999mA)

#### Specifications

- Body made of ABS plastic injection moulded and is shock proof.
- Microprocessor based, programmable, Electrophoresis power supply.
- Variable voltage 0-500V.
- Variable current 0-999mA.
- Digital timer 9 hr. 99 minutes programmable
- Digital display of voltage and current thru 2 line 22 character LCD display.
- Digital display of timer in respect to set time and run time.
- For Four unit use at the same time.
- To work on 220 volts 50 Hz A.C.
- Supply is complete with cord & plug, instruction manual, packed in corrugated box.



Model: EP-5



**Model: UV-365  
(365 nm)**



**Model: UV-254  
(254 nm)**



**Model: UV-254/365  
(254 & 365 nm Dual)**

#### Transilluminators

- Trnailluminator model UV-365, UV-254 & UV-254/365nm are required in biotechnology, Molecular Biology applications in colleges, Universities, Research Institutes.
- These are college model transilluminators having detection limit minimum 200ng. These models available are as under.

#### Model: UV-365

#### Specifications

► Wavelength	365 nm with suitable filter
► No. of U.V. Tubes	8 Imported
► Wattage	8 Watts
► Detection limit	200 ng
► Blue Plate Area	210 x 260 mm approx
► Body	MS with Powder Coated
► UV Protection Shield	Yes

#### Model: UV-254

#### Specifications

► Wavelength	254 nm with suitable filter
► No. of U.V. Tubes	8 Imported
► Wattage	8 Watts
► Detection limit	200 ng
► Blue Plate Area	210 x 260 mm approx
► Body	MS with Powder Coated
► UV Protection Shield	Yes, moulded frame

#### Model: UV-254 / 365

#### Specifications

► Wavelength	254 and 365 nm with suitable filter
► No. of U.V. Tubes	4 (254nm) and 4 (365nm) total = 8
► Wattage	8 Watts
► Detection limit	200 ng
► Blue Plate Area	210 x 260 mm approx
► Body	MS with Powder Coated
► UV Protection Shield	Yes

# U.V. Transilluminator Research Model (View Filter Size 210 x 260 mm)

**Laby**™



**Model: UV-302  
(302 nm)**



**Model: UV-302/365  
(302 & 365 nm Dual)**

## Transilluminators

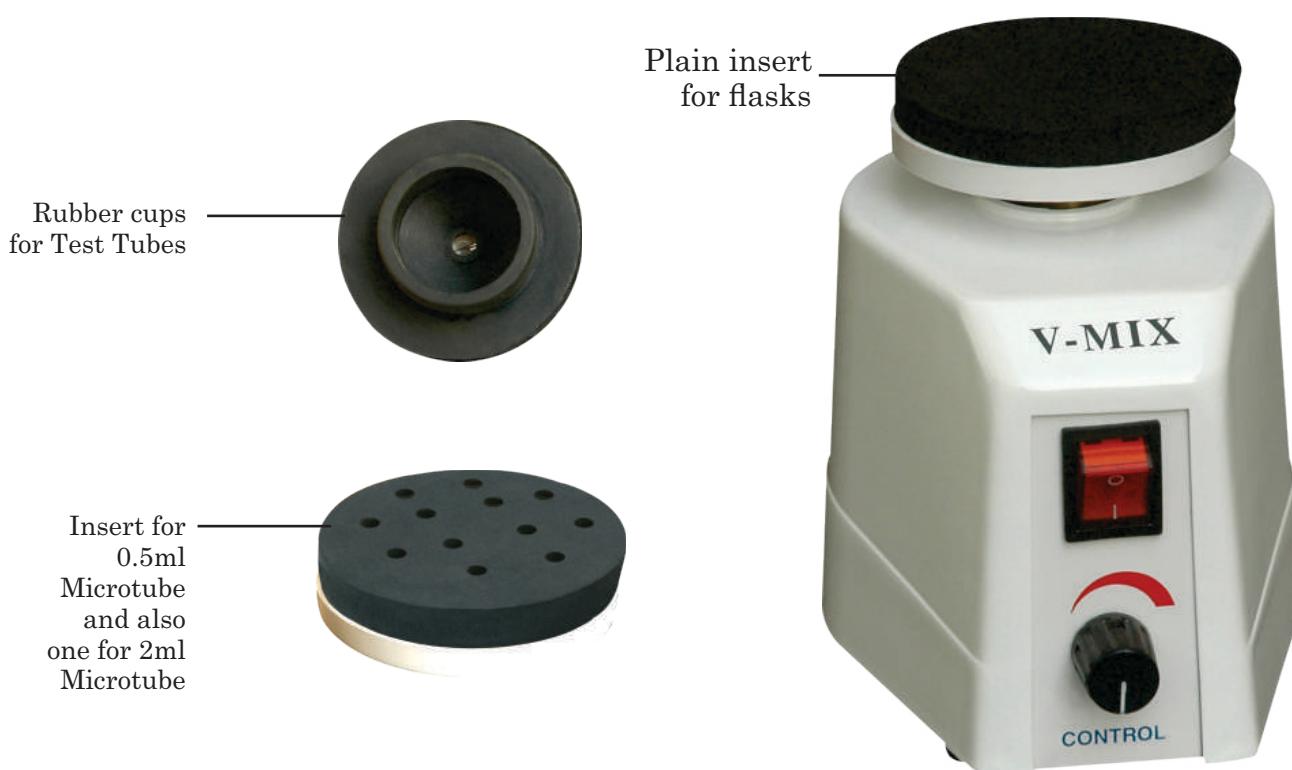
- These are research models of Transilluminators. We have 2 models detailed as under

## Specifications

Parameters	Model : UV - 312	Model : UV - 312 / 365
Item	U.V. Transilluminator Smart Look Very Accurate Research work	U.V. Transilluminator Smart Look Very Accurate Research work
► Intensity	312	312 and 365nm Dual
► No. of U.V. Tubes	8	8
► Wattage	8 Watts	8 Watts
► Detection Limit	0.01 ngm. of stained DNA	0.01 ngm. of stained DNA
► Viewing Area	210 x 260 mm	210 x 260 mm
► Filter	Quartz Filter	Quartz Filter
► Body	Aluminium Pressure die body Furnished in Black Powder Coating	Aluminium Pressure die body Furnished in Black Powder Coating
► UV Protection Shield	Yes	Yes

# Vortex Shaker

**Laby**™



**Model: VM-20**

## Specifications

- Compact, rugged construction.
- Heavy metallic base fitted with rubber vacuum feet which prevents the movement of shaker during use.
- Choice of continuous & touch mode.
- Variable speed control.
- Maximum speed 3000 RPM.
- To Work on 220Volts + 10% 50 HZ A.C.
- Include following standard set up with variety of inserts.

## Supply as above and completed with following accessories

► Rubber Cup Attachment for Test Tubes	1 No.
► Insert for Micro Tubes of 0.2ml/0.5ml	1 No.
► Insert for Micro Tubes of 1.5ml/2ml	1 No.
► Insert Plain for Conical/Volumetric Flask	1 No.

- Packed in corrugated box.

ISO : 9001, ISO : 13485, GMP, CE, MSME

# Western Blotting System (Rapid Mini Dual Wet Blot Apparatus)

**Laby**™



**Model: WB-02**

- Laby Offers a complete range of Western Or Immuno Blotting is the transfer of separated Proteins in a gel to the surface of a thin support membrane matrix. The Proteins are bound and immobilized on the membrane. Southern and Northern blotting involves the transfer of separate DNA and RNA, respectively, from a gel to a membrane. To perform a transfer, the gel is layered next to a membrane and placed in a voltage gradient perpendicular to the gel. Negatively charged molecules will migrate out from the gel, move towards the positive electrode, and get deposited on the membrane. We offer all different type of models for different applications like Mini, Mini Dual, Midi, Midi Dual & Customized Wet Blots etc.

#### Advantages of Blotting Apparatus

1. Easy access of proteins or nucleic acids on a blot for further analysis.
2. Faster analysis of proteins on the blots as protein diffusion is minimized.

#### Specifications

► Make	LABY
► Model	WB-02
► Dimensions	15 x 11.5 x 12cm (LxBxH)
► Gel Holder Cassette	2 Nos
► Buffer Volume	650 ml
► Gel Size	8 x 7 cm (2 Gels)
► Connecting Cord	Red & Black (One Each)
► Electrode Material	Platinum Anode (99.9% Pure)
► No. of Platinum Electrodes	Anode and Cathode (One Each)
► Foam Pad	12 Nos.
► Buffer Chamber with Safety Lid	1 No.
► Instruction Manual	1 No.

# BLOOD BAG TUBE SEALER (With Battery or Without Battery)

**Laby**™



**Model: BBS-10/BBS-11**

## Construction

- Portable
- Body made up of C.R.C. sheet duly furnished with powder coating.
- The front of tube sealer is made of Stainless Steel covering and Stainless Steel splash guard.
- The body is fitted with 4 rubber feet.
- It is also fitted with a Flap for carrying the machine.

► Dimension of Machine	L = 350 mm W = 210 mm H = 150 mm
► Weight of Machine	5 kg Approx
► Gross Weight of Machine	9 kg (with box (520mm x 440mm x 300mm))

## Special Feature

- Seal with clear break line for snap-apart separation.
- S.S. Splash Guard
- Diameter of tube 3 to 6mm
- Seal Time 0.5 to 2 sec.
- Warranty one year

## Specifications

- Microprocessor Based control system.
- Very stable and reliable working.
- Radio Frequency:- RF fr. 40.68
- It is fitted with Splash Guard for technician safety (Blood do not splash on technician)
- Senses the blood bag tube for automatic sealing process.
- LED update: Ready to seal, Sealing in process, Sealing completed through LED indication lights.

## Blood Bag Tube Sealer with Battery - BBS-11

MODEL	SPECIFICATIONS	BATTERY
BBS-10	Same as above mentioned specification	NO
BBS-11	Same as above mentioned specification	YES (Battery operated)

# HAEMOGLOBINOMETER (Sahli's)

**Laby**™



**Model: HB-10**

## Haemoglobinometer (Sahli's)

- Laby offer the Haemoglobinometer square tube type

## Specifications

- **Comparator Holder:** - 1 No.  
It is black in colour. The back of the holder is fitted with milky colour screen made of acrylic. In front of the holder there are three windows. The two side windows are fitted with colour standard strips and middle window is meant for the square tube for colour comparison. The size of all the three windows are height 3 cm (minimum) width 0.5cm.
- **Square H.B. Tube:** - 1 No.  
Square H.B. Tube is graduated on both side for the measurement of haemoglobin in respect of percentage & gram.
- **H.B. Pipette** - 1 No.  
20 Microlitre H.B. Pipette with latex tube and mouth piece.
- **Amber coloured glass bottle** - 1 No.
- **Glass Stirrer** - 1 No.
- **Dropper with teat** - 1 No.
- **Cleaning Brush** - 1 No.
- **Spare latex tubing on meter** - 1 No.

All the above are fitted in thermoform tray. Further packed in plastic box.

## Note:

- H.B. Tube is graduated and is calibrated with 2 colour standards fitted to colour comparator.
- The inner dimensions of Glass Tube vary from tube to tube where as our tubes is made of Polycarbonate and moulded through DIE. Hence in all the lot, the inner dimensions of tube is same.
- So, if HB tube made of Glass is broken, the whole HB meter is spoiled where as our H.B. Tube is unbreakable and is made of polycarbonate with long life..
- Further 2 nos are supplied with each HB meter.

**ISO : 9001, ISO : 13485, GMP, CE, MSME**

# PHOTOELECTRIC COLORIMETER (Digital)

**Laby**™



**Model: Photic-10**

## Haemoglobinometer (Sahli's)

• Our Model Photic-10 is the finest Photoelectric Colorimeter that combine convenience in operation with high precision & accuracy in analysis. The result in the form of optical density transmission are available on the display.

Eight imported optical glass filters covering complete visible range of 400 - 700nm are mounted on a rotating disc. Its all imported filters makes it highly accurate as per international standards. Highly sensitive photo sensor & use of latest IC technology makes the instrument highly rugged, and economical in maintenance. A minimum sample volume of 1ml is required to carry out the analysis. Provision has been made to switch on the lamp source only when required, thereby increasing the life of the photodiode.



## Technical Specifications

► Model	Photic - 10
► Filters	8 (All High Quality Optical Glass Filters)
► Filters Range	400, 480, 510, 520, 540, 580, 620, 700(nm)
► Min. Volume	1 ml.
► Display	2½ digit LED
► Range	400 - 700nm
► Output	OD: 0 to 1.99
► Resolution	OD: 0.01
► Accuracy	0.5%FS± 1 Digit
► Detector	Hermetically Sealed Imported Photodiode
► Light Source	Imported White LED
► Power	230V±10% AC, 50Hz
► Dimensions	L-33cm x W-30cm x H-16.5cm (approx.)
► Weight	1.5 Kg. (approx.)
► Accessories	(I) Test Tube (ii) Test Tube Stand (iii) Instruction Manual

Packed in Thermocol Box, further packed in coloured Corrugated Box.

**ISO : 9001, ISO : 13485, GMP, CE, MSME**

# CYTO CENTRIFUGE

(Microprocessor Based. Brushless) 3000 rpm

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



Model: CYTY-8

## Specifications

- Heavy duty C.R.C. construction finished with powder coating.
- Microprocessor based, 4 lines 20 characters LCD display of set & run time, set & run RPM.
- It is fitted with Brushless motor.
- It is fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Programmable speed regulator from 500 to 3000 rpm in interval of 100 rpm.
- Additional electronic lid lock which does not allow to open lid when machine is running.
- Dynamic brake (automatic) and imbalance detector are provided.
- Having a option of 3 acceleration, 3 deceleration mode & 10 programmes can be stored.
- To work on 220 Volts 50 Hz AC.

► Dimension of Machine	L = 490 mm W = 380 mm H = 270 mm
► Weight of Machine	29 kg Approx
► Gross Weight of Machine	35 kg (with box (609mm x 470mm x 510mm))

## Standard accessories Supplied:-

Sr. No.	Item Name	Qty.
1.	Rotor Head for 8 Funnels	1 Pcs.
2.	Cyto Funnels with caps	25 Pcs.
3.	Funnel Filters	100 Pcs.
4.	Clip to hold Cyto Funnels (S.S.)	8 Pcs.
5.	Cyto Slide	100 Pcs.

# HEMATOCRIT CENTRIFUGE, 13000 r.p.m. (Microprocessor Based- Digital)

**Laby**™



CARBON MOTOR



**Model: T-15**

## Specifications

- Hematocrit Centrifuge Machine with Max. speed 13000 RPM.
- Heavy duty Plastic injection moulded body.
- It is fitted with Stainless Steel Centrifuge bowl for extra protection.
- It is fitted with 2 line of 16 character LCD display of rpm, rcf for set and run time.
- Fitted with universal motor (with carbon brushes).
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Programmable speed controller from 2000 to 13000 rpm in interval of 100 rpm..
- Last test parameter recall and displays automatically on LCD.
- To work on 220 Volts 50 Hz AC.



► Dimension of Machine	L = 290 mm W = 270 mm H = 240 mm
► Weight of Machine	9.5 kg Approx
► Gross Weight of Machine	11 kg (with box (380mm x 380mm x 380mm))

## Supply completed with following accessories:

- Hematocrit Rotor head to accommodate 24 capillaries of 75mm x 1mm or 12 capillaries
- Rotor Cover made of poly-carbonate.
- Heparinised capillary tubes 75mm long x 1mm bore (Pack of 100 nos.).
- Reading device
- Sealing wax - 1 tray
- Instruction Manual

# MEDICAL - CLINICAL CENTRIFUGE 8 TUBES

## Digital Model - 2800 RPM (Brushless Motor)

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



**Model: M-4 / M-5**

### Specifications

- Bench top Centrifuge to separate serum from blood and PCV, Cytology tests etc.
- The body is made of CRC sheet, finished with powder coating.
- Fitted with metallic centrifuge chamber which is easy to clean.
- Centrifuge is fitted Microprocessor based with pre programmable speed controller to control speed from from 400 to 2800 with an interval of 400 rpm.
- See thru acrylic lid of thickness 8mm with lid lock.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Max. speed 2800 rpm and RCF 1325 xg.
- Fitted with brushless motors (motor without carbon).
- To work on 220 Volts 50 Hz AC.

*Special Feature*

- Very Stable
- No vibration
- Acrylic lid
- Motor fitted on anti vibration pad so noise will occur
- Machine can run throughout the day.
- Warranty one year

► Dimension of Machine	L = 320 mm W = 375 mm H = 310 mm
► Weight of Machine	12.5 kg Approx
► Gross Weight of Machine	14 kg (with box)

### Rotors available for Medical Centrifuge as per customer's choice:-

MODEL	Capacity	Type of Rotor	Speed RPM	RCF 'g'
M - 4	8 x 15 ml	Angular	2850	1325 x g
M - 5	8 vaccu. of 4ml	Swing Head	2850	1325 x g

### Optional at extra cost:-

- I). 8 Adopters to hold 4ml Vaccutainers
- II). 8 Adopters to hold 5ml to 10ml Vaccutainers

# MEDICAL - CLINICAL CENTRIFUGE

## Digital Model - 2800 RPM (Brushless Motor)

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



### Model: M-6 / M-7

#### Specifications

- Bench top Centrifuge separate serum from blood and PCV, Cytology tests etc.
- The body is made of rust proof ABS plastic injection moulding.
- Fitted with metallic centrifuge chamber which is easy to clean.
- Centrifuge is fitted Microprocessor based with pre programmable speed controller to control speed from 400 to 2800 with an interval of 400 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Max. speed 2850 rpm and RCF 1325 xg.
- Fitted with brushless motors (motor without carbon).
- To work on 220 Volts 50 Hz AC.

*Special Feature*

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Machine can run throughout the day.
- Warranty one year

► Dimension of Machine	L = 395 mm W = 360 mm H = 280 mm
► Weight of Machine	12.5 kg Approx
► Gross Weight of Machine	14 kg (with box)

#### Rotors available for Medical Centrifuge as per customer's choice:-

MODEL	TYPE OF ROTOR	CAPACITY	SPEED RPM	RCF 'g'
M - 6	Angular	12 x 15 ml	2800	1325 x g
M - 7	Swing Head	16 vaccu. of 4ml	2800	1325 x g

#### Optional at extra cost:-

- I). 12 Adopters to hold 4ml Vaccutainers
- II). 12 Adopters to hold 5ml to 10ml Vaccutainers

# MEDICAL - CLINICAL CENTRIFUGE

## Digital Model - 2800 RPM (Brushless Motor)

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



**Model: M-8**

### Specifications

- Bench top Centrifuge separate serum from blood and PCV, Cytology tests etc.
- The body is made of CRC sheet, finished with powder coating.
- Fitted with metallic centrifuge chamber which is easy to clean.
- Centrifuge is fitted Microprocessor based with pre programmable speed controller to control speed from 400 to 2800 with an interval of 400 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Max. speed 2850 rpm and RCF 1325 xg.
- Fitted with brushless motors.
- To work on 220 Volts 50 Hz AC.



► Dimension of Machine	L = 395 mm W = 360 mm H = 280 mm
► Weight of Machine	12.5 kg Approx
► Gross Weight of Machine	14 kg (with box)

### Rotors available for Medical Centrifuge as per customer's choice:-

MODEL	Capacity	Type of Rotor	Speed RPM	RCF 'g'
M - 8	16 x 15 ml	Swing	2850	1325 x g

# MEDICAL - CLINICAL CENTRIFUGE

## Digital Model - 2800 RPM (Brushless Motor)

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



**Model: M-9**

### Specifications

- Bench top Centrifuge separate serum from blood and PCV, Cytology tests etc.
- The body is made of CRC sheet, finished with powder coating.
- Fitted with metallic centrifuge chamber which is easy to clean.
- Centrifuge is fitted Microprocessor based with pre programmable speed controller to control speed from 400 to 2800 with an interval of 400 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Max. speed 2850 rpm and RCF 1325 xg.
- Fitted with brushless motors.
- To work on 220 Volts 50 Hz AC.

*Special Feature*

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Machine can run throughout the day.
- Warranty one year

► Dimension of Machine	L = 395 mm W = 360 mm H = 280 mm
► Weight of Machine	12.5 kg Approx
► Gross Weight of Machine	14 kg (with box)

### Rotors available for Medical Centrifuge as per customer's choice:-

MODEL	Capacity	Type of Rotor	Speed RPM	RCF 'g'
M - 9	24 vaccu. of 4ml	Swing	2850	1325 x g

# MEDICAL - CLINICAL CENTRIFUGE

## Digital Model - 2800 RPM (Brushless Motor)

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



**Model: M-9A**

### Specifications

- Bench top Centrifuge separate serum from blood and PCV, Cytology tests etc.
- The body is made of CRC sheet, finished with powder coating.
- Fitted with metallic centrifuge chamber which is easy to clean.
- Centrifuge is fitted Microprocessor based with pre programmable speed controller to control speed from 400 to 2800 with an interval of 400 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Max. speed 2850 rpm and RCF 1325 xg.
- Fitted with brushless motors.
- To work on 220 Volts 50 Hz AC.

*Special Feature*

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Machine can run throughout the day.
- Warranty one year

► Dimension of Machine	L = 395 mm W = 360 mm H = 280 mm
► Weight of Machine	12.5 kg Approx
► Gross Weight of Machine	14 kg (with box)

### Rotors available for Medical Centrifuge as per customer's choice:-

MODEL	Capacity	Type of Rotor	Speed RPM	RCF 'g'
M - 9A	24 x 15 ml	Swing	2850	1325 x g

# MEDICAL - CLINICAL CENTRIFUGE

## Digital Model - 2800 RPM (Brushless Motor)

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



Model: M-10

### Specifications

- Bench top Centrifuge separate serum from blood and PCV, Cytology tests etc.
- The body is made of CRC sheet, finished with powder coating.
- Fitted with metallic centrifuge chamber which is easy to clean.
- Centrifuge is fitted Microprocessor based with pre programmable speed controller to control speed from 400 to 2800 with an interval of 400 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Max. speed 2850 rpm and RCF 1325 xg.
- Fitted with brushless motors.
- To work on 220 Volts 50 Hz AC.

### Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Machine can run throughout the day.
- Warranty one year

► Dimension of Machine	L = 400 mm W = 500 mm H = 455 mm
► Weight of Machine	35 kg Approx
► Gross Weight of Machine	38 kg (with box)

### Rotors available for Medical Centrifuge as per customer's choice:-

MODEL	Capacity	Type of Rotor	Speed RPM	RCF 'g'
M - 10	32 x 15 ml	Swing	2850	1325 x g

# MEDICAL - CLINICAL CENTRIFUGE

## Digital Model - 2800 RPM (Brushless Motor)

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



**Model: M-11**

### Specifications

- Bench top Centrifuge separate serum from blood and PCV, Cytology tests etc.
- The body is made of CRC sheet, finished with powder coating.
- Fitted with metallic centrifuge chamber which is easy to clean.
- Centrifuge is fitted Microprocessor based with pre programmable speed controller to control speed from 400 to 2800 with an interval of 400 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Max. speed 2850 rpm and RCF 1325 xg.
- Fitted with brushless motors.
- To work on 220 Volts 50 Hz AC.

*Special Feature*

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Machine can run throughout the day.
- Warranty one year

► Dimension of Machine	L = 400 mm W = 500 mm H = 455 mm
► Weight of Machine	35 kg Approx
► Gross Weight of Machine	38 kg (with box)

### Rotors available for Medical Centrifuge as per customer's choice:-

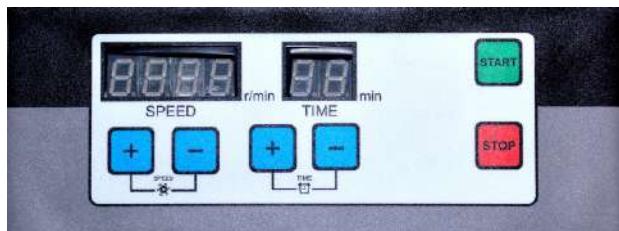
MODEL	Capacity	Type of Rotor	Speed RPM	RCF 'g'
M - 11	48 vaccu. of 4ml	Swing	2850	1325 x g

# DIGITAL BLDC Centrifuge Machine 4000 RPM

**Laby**™



Angle Head 12x20ml



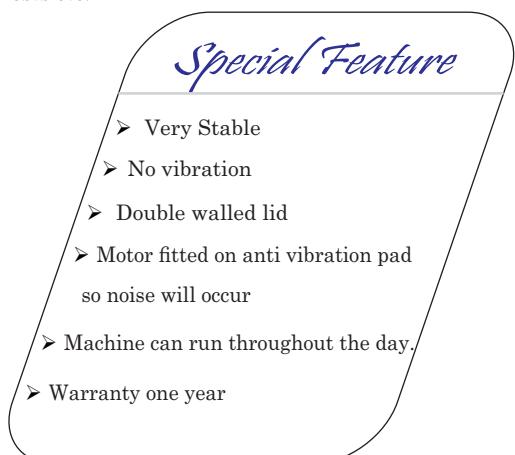
PANNEL



**SELECTRA-BL**  
Model

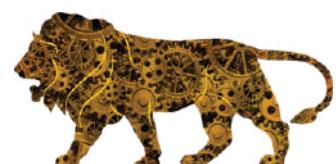
## Specifications

- Bench top Centrifuge Machine to separate serum from blood and PCV, Cytology Tests etc.
- The body is made of rust proof ABS injection moulding.
- Fitted with metallic centrifuge chamber which is easy to clean.
- Centrifuge is fitted with digital speed meter, digital timer and BLDC motor.
- Fitted with microprocessor based pre programmable speed controller to control Speed from 500-4000 rpm in the interval of 100 rpm
- Large LED display for RPM and TIME.
- Timer facility with range 1 minute to 60 minutes in an interval of 1 minute.
- To work on 220 volts 50 Hz AC.
- BLDC motor are maintenance free which can run upto 8 hrs. continuously without stop.



## Rotor Head

Capacity	Type of Rotor and Centrifuge tube holders	Max. Speed (RPM)
• Angle Rotor 12 x 15ml which can accommodate Centrifuge tubes of 15ml Vaccutainers tubes of 10ml Vaccutainers tubes of 4/5ml	Plastic	4000



Make-In-India

# DIGITAL MEDICAL Centrifuge Machine 5000 RPM

**Laby**™



Angle Head 12x15ml



C - 5000

## Specifications

- Bench top Centrifuge Machine to separate serum from blood and PCV, Cytology Tests etc.
- The body is made of rust proof ABS injection moulding.
- Centrifuge is fitted with digital speed meter, digital timer and Carbon motor.
- Fitted with microprocessor based pre programmable speed controller to control Speed from 400-5000 rpm in the interval of 100 rpm
- Large LCD display for RPM and TIME.
- Timer facility with range 20 seconds to 99 minutes in an interval of 1 minute.
- Short spin function & dynamic brake are provided.
- Fitted with electronic safety lid lock which does not allow to run the machine when lid is open.
- After completion the centrifugation lid will open automatically.
- Key button is provided on controller card to open the lid..
- To work on 220 volts 50 Hz AC.

## Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- RPM accuracy  $\pm 1\%$ .
- Warranty one year

## Rotor Head

Capacity	Type of Rotor and Centrifuge tube holders	Max. Speed (RPM)
➤ Angle Rotor 12 x 15ml which can accommodate Centrifuge tubes of 15ml Vaccutainers tubes of 10ml Vaccutainers tubes of 4/5ml	Plastic	5000



Make-In-India

# PRP CENTRIFUGE (Microprocessor Based. Digital)

**Laby**™



CARBON MOTOR



Model: PRP-4M

## Specifications

- Compact PRP Test Centrifuge Machine, Microprocessor based digital.
- The body is made of rust proof ABS plastic injection moulding with metallic protection bowl.
- Fitted with Universal motor (with carbon brushes) 1/8 H.P.
- It is fitted with 2 line of 16 character LCD display of rpm, rcf for set and run time.
- Two programs are feeded in software of machine as per recommended by for PRP Tests
  - (I)First program 4 minutes, 3400 rpm
  - (II) Second program 2 minutes, 3500 rpm
- We can program speed from 500 to 4400 rpm in variation of 100 rpm as per requirement.
- Sample holding capacity: 8 sample tubes upto 15ml.
- **PRP Kit:** Kit of any brand having capacity upto 15ml tube can be used with our machine.
- To work on 220 Volts 50 Hz AC.

► Dimension of Machine	L = 395 mm W = 360 mm H = 280 mm
► Weight of Machine	12.5 kg Approx
► Gross Weight of Machine	14 kg (with box (445mm x 445mm x 460mm))

## Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Universal motor (Carbon Motor)
- Warranty one year



Swing Head 8x15ml



# PRP CENTRIFUGE (Microprocessor Based. Digital)

**Laby**™



CARBON MOTOR



**Model: PRP-8M**

## Specifications

- Compact PRP Test Centrifuge Machine, Microprocessor based digital.
- The body is made of heavy duty C.R.C. construction finished with powder coating.
- Fitted with Universal motor (with carbon brushes) 1/8 H.P.
- It is fitted with 2 line of 16 character LCD display of rpm, rcf for set and run time.
- Two programs are feeded in software of machine as per recommended by for PRP Tests
  - (I)First program 4 minutes, 3400 rpm
  - (II) Second program 2 minutes, 3500 rpm
- We can program speed from 500 to 5000 rpm in variation of 100 rpm as per requirement.
- Sample holding capacity: 5 PRP Syringes of 20 ml.
- **PRP Kit :** Having 20ml syringe can be used with our machine.
- To work on 220 Volts 50 Hz AC.

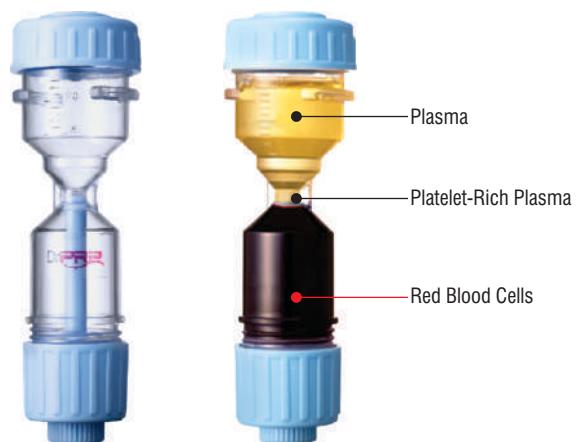
► Dimension of Machine	L = 415 mm W = 360 mm H = 305 mm
► Weight of Machine	21 kg Approx
► Gross Weight of Machine	24 kg (with box (495mm x 480mm x 380mm))

*Special Feature*

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Universal motor (Carbon Motor)
- Warranty one year
- Metallic Centrifuge Bowl



20ml Syringe Rotor  
Swing Out Head



# REFRIGERATED PRP CENTRIFUGE

## (Microprocessor Based. Digital)

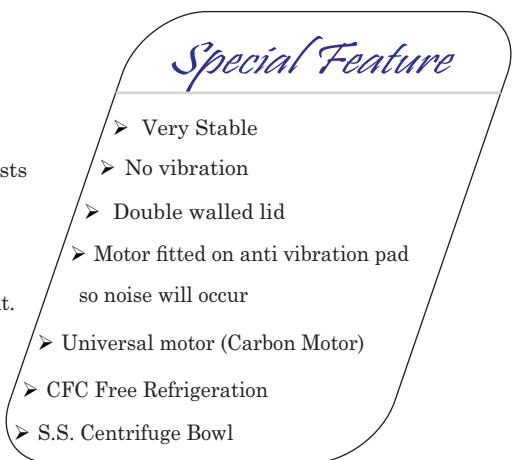
**Laby**™



### Model: PRP- 60

#### Specifications

- Compact Refrigerated PRP Test Centrifuge Machine, Microprocessor based digital.
- The body is made of heavy duty C.R.C. construction finished with powder coating.
- Fitted with Universal motor (with carbon brushes) 1/8 H.P.
- It is fitted with 2 line of 16 character LCD display of rpm, rcf for set and run time.
- Two programs are feeded in software of machine as per recommended by for PRP Tests
  - (I)First program 4 minutes, 3400 rpm
  - (II) Second program 2 minutes, 3500 rpm
- We can program speed from 500 to 5000 rpm in variation of 100 rpm as per requirement.
- Sample holding capacity: 5 PRP Syringes of 20 ml.
- Temperature is controlled from -10°C to room temperature.
- To work on 220 Volts 50 Hz AC.



► Dimension of Machine	L = 635 mm W = 500 mm H = 350 mm
► Weight of Machine	55 kg Approx
► Gross Weight of Machine	60 kg Approx

#### Rotors available for PRP-60 as per customer's choice:-

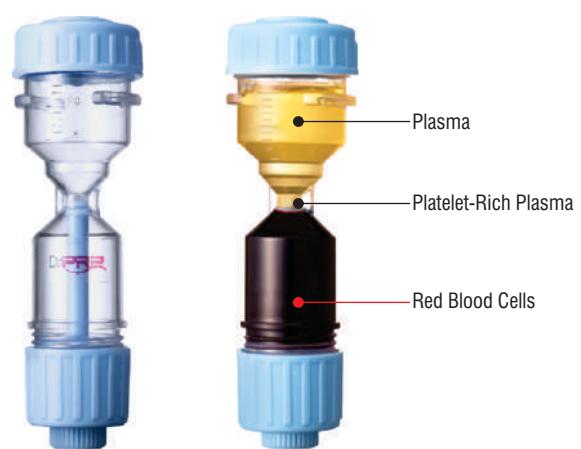
Capacity	Type of Rotor	Capacity of PRP Kit
► 4 x 50ml	Swing out	20 ml
► 8 x 15ml	Swing Head	up to 15 ml



Swing Head 8x15ml



20ml Syringe Rotor  
Swing Out Head



ISO : 9001, ISO : 13485, GMP, CE, MSME

# Cell Wash 96 Wells Plate Centrifuge, max speed 2850 rpm

**Laby**™



Swing out head 2 plates of 96 wells



Model: T-6

Full body made of ABS plastic Injection Molded from our dies and molds for which Laby is sole Honour including its design.

## Specifications

- Fitted with extra long life motor without carbon.
- Programmable speed regulator to control speed in range of 500, 1000, 1500, 2000, 2500, 2850 R.P.M.
- 0 to 99 minutes timer which can be set in interval of 1 minute.
- Supplied with Swingout Rotor to hold 2 plates of 96 wells each.

## Physical Parameters

► Net weight	12.5 kg approx
► Gross Weight with box	14 kg
► Dimensions of machine	L=395mm, W=360mm, H=280mm
► Dimensions of outer box	510 x 510 x 390 mm

# LABORATORY CENTRIFUGE (General Purpose) (Microprocessor Based. Digital) 4400 rpm

**Laby**™



CARBON MOTOR



Model: T-4M

## Specifications

- Compact laboratory Centrifuge Machine, Microprocessor based digital.
- The body is made of rust proof ABS plastic injection moulding with metallic protection bowl.
- Fitted with Universal motor (with carbon brushes) 1/8 H.P.
- It is fitted with 2 line of 16 character LCD display of rpm, rcf for set and run time.
- Programmable speed regulator from 500 to 4400 rpm in interval of 100 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Having a lid lock for safe drive.
- Last test parameter recall and displays automatically on LCD.
- To work on 220 Volts 50 Hz AC.

► Dimension of Machine	L = 395 mm W = 360 mm H = 280 mm
► Weight of Machine	12.5 kg Approx
► Gross Weight of Machine	14 kg (with box (445mm x 445mm x 460mm))

## Rotors available for T-4M as per customer's choice:-

Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 8 x 15ml	Swing out	S.S.	4400	3036 x g
► 8 x 15ml	Angular	S.S.	4400	2600 x g
► 12 x 15ml	Angular	S.S.	4400	2920 x g
► 4 x 50ml	Swing out	S.S.	4400	3036 x g

# LABORATORY CENTRIFUGE (General Purpose) (Microprocessor Based. Digital) 5200 rpm

**Laby**™



CARBON MOTOR

**Model: T-8M**

## Specifications

- Compact laboratory Centrifuge Machine, Microprocessor based digital.
- The body is made of heavy duty C.R.C. construction finished with powder coating.
- Fitted with Universal motor (with carbon brushes) 1/8 H.P.
- It is fitted with 2 line of 16 character LCD display of rpm, rcf for set and run time.
- Programmable speed regulator from 500 to 5200 rpm in interval of 100 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Having a lid lock for safe drive.
- Last test parameter recall and displays automatically on LCD.
- To work on 220 Volts 50 Hz AC.

## Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Universal motor (Carbon Motor)
- Metallic bowl.
- Maximum Capacity 400ml.

► Dimension of Machine	L = 415 mm W = 360 mm H = 305 mm
► Weight of Machine	21 kg Approx
► Gross Weight of Machine	24 kg (with box (495mm x 480mm x 380mm))

## Rotors available for T-8M as per customer's choice:-

Capacity	Type of Rotor	Speed RPM	RCF 'g'
► 16 x 15ml	Swing out	5000	3920 x g
► 12 x 15ml	Swing out	5000	3920 x g
► 8 x 15ml	Swing out	5200	4240 x g
► 24Vac.4ml	Swing out	4500	2850 x g

Capacity	Type of Rotor	Speed RPM	RCF 'g'
► 16 x 15ml	Angle Head	5200	4080 x g
► 12 x 15ml	Angle Head	5200	4080 x g
► 8 x 15ml	Angle Head	5200	3600 x g
► 24 x 15ml	Angle Head	4500	3175 x g

# LABORATORY CENTRIFUGE (General Purpose)

## Deluxe Model (Microprocessor Based. Digital) 5200 rpm

**Laby**™



CARBON MOTOR

**Model: T-8Deluxe**

### Specifications

- Compact laboratory Centrifuge Machine, Microprocessor based digital.
- The body is made of heavy duty C.R.C. construction finished with powder coating.
- Fitted with Universal motor (with carbon brushes) 1/8 H.P.
- It is fitted with 2 line of 16 character LCD display of rpm, rcf for set and run time.
- Programmable speed regulator from 500 to 5200 rpm in interval of 100 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Additional electronic lid lock which does not allow to open lid when machine is running and opens automatically after centrifuge time is over. Calibration window on lid.
- Dynamic brake (automatic) and imbalance detector are provided.
- Last test parameter recall and displays automatically on LCD.
- To work on 220 Volts 50 Hz AC.

### Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Universal motor (Carbon Motor)
- Metallic bowl.
- Maximum Capacity 400ml.

► Dimension of Machine	L = 415 mm W = 360 mm H = 305 mm
► Weight of Machine	21 kg Approx
► Gross Weight of Machine	24 kg (with box (495mm x 480mm x 380mm))

### Rotors available for T-8Deluxe as per customer's choice:-

Capacity	Type of Rotor	Speed RPM	RCF 'g'
► 16 x 15ml	Swing out	5000	3920 x g
► 12 x 15ml	Swing out	5000	3920 x g
► 8 x 15ml	Swing out	5200	4240 x g
► 24Vac.4ml	Swing out	4500	2850 x g

Capacity	Type of Rotor	Speed RPM	RCF 'g'
► 16 x 15ml	Angle Head	5200	4080 x g
► 12 x 15ml	Angle Head	5200	4080 x g
► 8 x 15ml	Angle Head	5200	3600 x g
► 24 x 15ml	Angle Head	4500	3175 x g

# REVOLUTIONARY LABORATORY CENTRIFUGE

(Microprocessor Based. Brushless) 6000 rpm

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



Model: T-8BL

## Specifications

- Heavy duty C.R.C. construction finished with powder coating.
- Microprocessor based, 4 lines 20 characters LCD display of set & run time, set & run RPM.
- It is fitted with Brushless motor.
- It is fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Programmable speed regulator from 500 to 6000 rpm in interval of 100 rpm.
- Additional electronic lid lock which does not allow to open lid when machine is running.
- Dynamic brake (automatic) and imbalance detector are provided.
- Having a option of 3 acceleration, 3 deceleration mode & 10 programmes can be stored.
- To work on 220 Volts 50 Hz AC.

## Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Brushless Motor
- Metallic Bowl
- Maximum Capacity 400ml.

► Dimension of Machine	L = 490 mm W = 380 mm H = 270 mm
► Weight of Machine	29 kg Approx
► Gross Weight of Machine	35 kg (with box (609mm x 470mm x 510mm))

## Rotors available for T-8BL as per customer's choice:-

Capacity	Type of Rotor	Speed RPM	RCF 'g'
► 16 x 15ml	Swing out	5000	3920 x g
► 12 x 15ml	Swing out	5000	3920 x g
► 8 x 15ml	Swing out	5200	4240 x g
► 24Vac.4ml	Swing out	4500	2850 x g

Capacity	Type of Rotor	Speed RPM	RCF 'g'
► 16 x 15ml	Angle Head	5200	4080 x g
► 12 x 15ml	Angle Head	5200	4080 x g
► 8 x 15ml	Angle Head	5200	3600 x g
► 24 x 15ml	Angle Head	4500	3175 x g

# LABORATORY CENTRIFUGE (High Capacity) (Microprocessor Based. Brushless) 6000 rpm

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



Model: T-9BL

## Specifications

- Heavy duty C.R.C. construction finished with powder coating.
- Microprocessor based, 4 lines 20 characters LCD display of set & run time, set & run RPM.
- It is fitted with Brushless motor.
- It is fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Programmable speed regulator from 500 to 6000 rpm in interval of 100 rpm.
- Additional electronic lid lock which does not allow to open lid when machine is running.
- Dynamic brake (automatic) and imbalance detector are provided.
- Having a option of 3 acceleration, 3 deceleration mode & 10 programmes can be stored.
- To work on 220 Volts 50 Hz AC.

## Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Brushless Motor
- S.S. Centrifuge Bowl
- Maximum Capacity 400ml.

► Dimension of Machine	L = 560 mm W = 420 mm H = 320 mm
► Weight of Machine	36 kg Approx
► Gross Weight of Machine	35 kg (with box (660mm x 560mm x 560mm))

## Rotors available for T-9BL as per customer's choice:-

Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 32 x 15ml	Swing out	Plastic	5000	4060 x g
► 48 x 7ml	Swing out	Plastic	5000	4060 x g
► 32 vaccu. 4ml	Swing out	Plastic	6000	5400 x g
► 36 x 15ml	Angular	Plastic	6000	5840 x g

# LABORATORY CENTRIFUGE (Medium - High) (Microprocessor Based. Digital) 10000 rpm

**Laby**™



CARBON MOTOR



Model: T-10M

## Specifications

- Compact laboratory Centrifuge Machine, Microprocessor based digital.
- The body is made of heavy duty C.R.C. construction finished with powder coating.
- Fitted with Universal motor (with carbon brushes) 1/8 H.P.
- It is fitted with 2 line of 16 character LCD display of rpm, rcf for set and run time.
- Programmable speed regulator from 500 to 10000 rpm in interval of 100 rpm.
- Fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Having a lid lock for safe drive.
- Last test parameter recall and displays automatically on LCD.
- To work on 220 Volts 50 Hz AC.

## Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Universal motor (Carbon Motor)
- Metallic bowl.
- Maximum Capacity 400ml.

► Dimension of Machine	L = 415 mm W = 360 mm H = 305 mm
► Weight of Machine	21 kg Approx
► Gross Weight of Machine	24 kg (with box (495mm x 480mm x 380mm))

## Rotors available for T-10M as per customer's choice:-

Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 8 x 15ml	Angle Head	S.S. Holder	10000	9520 x g
► 4 x 50ml	Angle Head	S.S. Holder	10000	8960 x g

Rotor made of Aluminium Alloy to withstand high speed of 10000 rpm.

**Price is with one rotor Angle Head 8x15ml or 4x50ml**

# LABORATORY CENTRIFUGE UNIVERSAL (Microprocessor Based. Brushless) 20000 rpm

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



Model: T-24BL

## Specifications

- Heavy duty C.R.C. construction finished with powder coating.
- Microprocessor based, 4 lines 20 characters LCD display of set & run time, set & run RPM.
- It is fitted with Brushless motor.
- It is fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Programmable speed regulator from 500 to 20000 rpm in interval of 100 rpm.
- Additional electronic lid lock which does not allow to open lid when machine is running.
- Dynamic brake (automatic) and imbalance detector are provided.
- Having a option of 3 acceleration, 3 deceleration mode & 10 programmes can be stored.
- To work on 220 Volts 50 Hz AC.

## Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Brushless Motor
- S.S. Centrifuge Bowl
- Maximum Capacity 400ml.

► Dimension of Machine	L = 560 mm W = 420 mm H = 320 mm
► Weight of Machine	36 kg Approx
► Gross Weight of Machine	35 kg (with box (660mm x 560mm x 560mm))

## Rotors available for T-24BL as per customer's choice:-

Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 12x1.5/2ml	Angle Head	Plastic	20000	31360x g
► 24x1.5/2ml	Angle Head	Plastic	16000	25800x g
► 12x15ml	Angle Head	Plastic	13000	18100x g
► 8x15ml	Angle Head	Plastic	13000	18100x g
► 6x50ml	Angle Head	Plastic	13000	18100x g
► 4x100ml	Angle Head	Plastic	13000	20821x g
► 8x50ml	Angle Head	Plastic	12000	19300x g

# LABORATORY CENTRIFUGE UNIVERSAL (PLC Based. Touch Screen Brushless) 20000 rpm

**Laby**™



BRUSHLESS MOTOR  
(WITHOUT CARBON)



Model: T-25BL

## Specifications

- Heavy duty C.R.C. construction finished with powder coating.
- PLC Based Touch display of set & run time, set & run RPM.
- It is fitted with Brushless motor and also equipped with Automatic Rotor Identification Feature.
- It is fitted with digital timer to control time 1 to 99 minutes with an interval of 1 min.
- Programmable speed regulator from 500 to 20000 rpm in interval of 100 rpm.
- Additional electronic lid lock which does not allow to open lid when machine is running.
- Dynamic brake (automatic) and imbalance detector are provided.
- Having a option of acceleration and deceleration mode & 50 programs can be stored.
- To work on 220 Volts 50 Hz AC.

► Dimension of Machine	L = 560 mm W = 420 mm H = 320 mm
► Weight of Machine	36 kg Approx
► Gross Weight of Machine	35 kg (with box (660mm x 560mm x 560mm))

## Special Feature

- Very Stable
- No vibration
- Double walled lid
- Motor fitted on anti vibration pad so noise will occur
- Brushless Motor
- S.S. Centrifuge Bowl
- Maximum Capacity 400ml.

## Rotors available for T-25BL as per customer's choice:-

Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 12x1.5/2ml	Angle Head	Plastic	20000	31360x g
► 24x1.5/2ml	Angle Head	Plastic	16000	25800x g
► 12x15ml	Angle Head	Plastic	13000	18100x g
► 8x15ml	Angle Head	Plastic	13000	18100x g
► 8x50ml	Angle Head	Plastic	12000	19300x g
► 4x100ml	Angle Head	Plastic	13000	17000x g
► 8x15ml	Swing Head	Plastic	5000	3360x g
► 12x15ml	Swing Head	Plastic	5000	3500x g
► 16x15ml	Swing Head	Plastic	5000	3500x g
► 2 Plates of 96 Wells	Swing Head	Plastic	3000	1715x g

# Micro Centrifuge 13000 r.p.m. (Microprocessor Based)

**Laby**™



Angle Head 8x5ml



Angle Head  
4 PCR strips of 96 wells



Angle Head 24x2ml



**Model: T-13**

## Specifications

- High Speed Micro Centrifuge, Max. r.p.m. 13000 and r.c.f. 13800.
- Heavy duty plastic injection moulded body.
- Stainless Steel protection bowl.
- Fitted with well balance universal motor having long life with high grade carbons.
- 2 Lines of 16 character LCD display of r.p.m., r.c.f., set time and run time.
- Digital timer which can be set from 0-99 minutes in interval of 1 minute.
- Programmable Speed Regulator from 2000 to 13000 in variation of 100 r.p.m.'
- Last test parameter recall and displays automatically on LCD.

## Rotors available for T-13 as per customer's choice:-

► Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 24 x 1.5/2 ml	Angular	Plastic	13000	17000 x g
► 8 x 5 ml	Angular	Plastic	13000	17000 x g
► 4 Strips of 8 x 0.2 ml	Angular	Plastic	13000	17000 x g

► Dimension of Machine	L = 395 mm W = 360 mm H = 280 mm
► Weight of Machine	12.5 kg Approx
► Gross Weight of Machine	14 kg (with box)

Supply is complete with Head Puller, Spanner, Instruction manual, Cord & Plug to work on 220 Volts 50Hz A.C.

# Micro Centrifuge 16000 R.P.M.

(Brushless Motors)(Microprocessor Based Digital)

**Laby**™

## PREMIUM MODEL BRUSHLESS MOTOR



Angle Head 12x2ml



Angle Head 8x5ml



Angle Head  
4 PCR strips of 96 wells



Angle Head 24x2ml



**Model: T-16 BL**

### Specifications

- High speed, bench top, Micro Centrifuge Machine.
- Microprocessor based premium model with maintenance free brushless induction motor.
- Programmable Speed Regulator from 2000 to 16000 in interval of 100 rpm
- Modular design as per International standards.
- Stainless steel protection bowl.
- Fitted with Microprocessor based LCD pannel for 1-99 minutes countdown timer, digital rpm-rcf meter.
- Also featured with dynamic brakes.
- Equipped with Electronic Lid lock, which does not allow to open the lid, when machine is in running condition.
- Imbalance detector.
- 10 programs memory, 3 acceleration and 3 decelerations .

### Optional Heads as per customer requirement at extra cost

Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 12 x 1.5/2 ml	Angular	Plastic	16000	16800 x g
► 24 x 1.5/2 ml	Angular	Plastic	13000	14150 x g
► 8 x 5 ml	Angular	Plastic	13000	14150 x g
► 4 Strips of 8 x 0.2 ml	Angular	Plastic	13000	14150 x g

All the above stated heads are supplied with P.P. Centrifuge Tubes, Head Puller, and Spanner.  
The 2ml rotor comes with adopters to accept eppendorff tubes of 0.2/0.5ml

**Note:** The speed of the machine depends upon the type of rotor being used. If rotor is heavy the speed will reduce as per above mentioned table.

**ISO : 9001, ISO : 13485, GMP, CE, MSME**

# Micro Centrifuge, 16000 r.p.m. (Microprocessor Based)

**Laby**™



Angle Head 12x2ml



**Model: T-16**

## Specifications

- High Speed Micro Centrifuge, Max. r.p.m. 16000 and r.c.f. 17800xg.
- Heavy duty plastic injection moulded body.
- Stainless Steel protection bowl.
- Fitted with well balance universal motor having long life with high grade carbons.
- 2 Lines of 16 character LCD display of r.p.m., r.c.f., set time and run time.
- Digital timer which can be set from 0-99 minutes in interval of 1 minute.
- Programmable Speed Regulator from 2000 to 16000 in variation of 100 r.p.m.
- Last test parameter recall and displays automatically on LCD.

## Supply completed with following accessories:

- Rotor head to accommodate 12 eppendorf/Micro Centrifuge Tubes with cover of 1.5/2ml (12x1.5/2ml)
- Reduction adaptors for 0.2/0.5ml eppendorf (Micro Centrifuge Tubes).
- Supply is completed with head puller, spanner, instruction manual, Cord & Plug to Work on 220 Volts 50HzA.C.

► Dimension of Machine	L = 290 mm W = 270 mm H = 240 mm
► Weight of Machine	9.5 kg Approx
► Gross Weight of Machine	11 kg (with box)

**PREMIUM MODEL  
BRUSHLESS MOTOR**



Angle Head 12x2ml



Angle Head 8x5ml



Angle Head  
4 PCR strips of 96 wells



Angle Head 24x2ml



**Model: T-20 BL**

**Specifications**

- High speed, bench top, Micro Centrifuge Machine.
- Microprocessor based premium model with maintenance free brushless induction motor.
- Programmable Speed Regulator from 2000 to 20000 in interval of 100 rpm
- Modular design as per International standards.
- Stainless steel protection bowl.
- Fitted with Microprocessor based LCD pannel for 1-99 minutes countdown timer, digital rpm-rcf meter.
- Also featured with dynamic brakes.
- Equipped with Electronic Lid lock, which does not allow to open the lid, when machine is in running condition.
- Imbalance detector.
- 10 programs memory, 3 acceleration and 3 decelerations .

**Optional Heads as per customer requirement at extra cost**

Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 12 x 1.5/2 ml	Angular	Plastic	20000	27000 x g
► 24 x 1.5/2 ml	Angular	Plastic	16000	16800 x g
► 8 x 5 ml	Angular	Plastic	13000	14150 x g
► 4 Strips of 8 x 0.2 ml	Angular	Plastic	13000	14150 x g

All the above stated heads are supplied with P.P. Centrifuge Tubes, Head Puller, and Spanner.  
The 2ml rotor comes with adopters to accept eppendorff tubes of 0.2/0.5ml

**Note:** The speed of the machine depends upon the type of rotor being used. If rotor is heavy the speed will reduce as per above mentioned table.

**ISO : 9001, ISO : 13485, GMP, CE, MSME**

# Mini Centrifuge Non Digital Max. Speed 7000 r.p.m.

**Laby**™



Rotor of Micro Centrifuge  
6 tubes of 1.5ml/2ml capacity



Rotor of Micro Centrifuge  
12 tubes of 1.5ml/2ml capacity



**Model: T-2**

## Mini Centrifuge (Non-Digital)

- Micro-Centrifuge machine (Mini Centrifuge).
- Speed fixed 7000 rpm.

## Technical Specifications

- ▶ Fitted with high quality motor with carbon brushes.
- ▶ Complete body made of ABS plastic injection moulded.
- ▶ Supply completed with 2 standard rotors as under
  - (i) Angle Rotor 6 micro centrifuge of 1.5ml capacity.
  - (ii) Angle rotor 12 micro centrifuge tubes of 0.5ml capacity.

# Mini Centrifuge Digital Max. Speed 10000 r.p.m.

**Laby**™



Rotor of Micro Centrifuge  
6 tubes of 1.5ml/2ml capacity



Rotor of Micro Centrifuge  
12 tubes of 0.5ml capacity



**Model: T-1**

## Mini Centrifuge Digital

- Micro processor controlled, Micro-Centrifuge machine (Mini Centrifuge)
- Speed range from 1000 to 10000 r.p.m. in step of 1000.

## Technical Specifications

- ▶ Fitted with maintenance free motor (Brushless without carbon)
- ▶ Complete body made of ABS plastic injection moulded.
- ▶ Fitted with 0-15 minute digital timer.
- ▶ Supply completed with 2 standard rotors as under :
  - (i) Angle Rotor 6 micro centrifuge of 1.5ml capacity
  - (ii) Angle rotor 12 micro centrifuge tubes of 0.5ml capacity

Size	Weight
R.P.M.	RCF (x g)
1000	56
2000	223
3000	503
4000	894

Size	Weight
R.P.M.	RCF (x g)
5000	1396
6000	2011
7000	2737
8000	3575

Size	Weight
R.P.M.	RCF (x g)
9000	4524
10000	5585

# Refrigerated Micro Centrifuge

Digital-16000 R.P.M.(Microprocessor Based)

Temp. -10°C

**Laby**™



**Model: T-40**

## Specifications

- Bench Top Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced universal motor with having carbon brushes.
- CRC free refrigeration.
- 2 lines, 20 characters. LCD Display for set time, run time set and run rpm, rcf.
- Digital Timer 1-99 minutes
- Programmable Speed Regulator from 2000 to 16000 rpm in variation of 100 rpm.
- Safety lid lock.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the temperature of centrifuge bowl from room temp. upto -10°C and shuts off the cooling compressor within accuracy of  $\pm 1^\circ\text{C}$  in standby mode. Means only the centrifuge bowl is cooling and centrifuge motor is in standby mode.
- Temperature Accuracy when motor is also running is  $+ 2^\circ\text{C}$



Angle Head 12x2ml

## Technical Parameter

► Msx Speed	16000 RPM
► Max RCF	16800 x g
► Motor	Universal Motor (with carbon brushes)
► Power	AC 220V 50 Hz 20A
► Weight	54 kg Approx
► Dimensions	L - 26" x W - 19" x H - 14.5" approx

Supply complete with following angle rotor heads to accommodate polypropylene micro Centrifuge tubes (eppendorf Tubes as well)



**Make-In-India**

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
Angle Rotor	12 x 1.5/2 ml.	16000	16800 x g

- Adapters to accept 0.5ml & 0.2ml Eppendorf micro-centrifuge tubes.

ISO : 9001, ISO : 13485, GMP, CE, MSME

# Refrigerated Micro Centrifuge

Digital-16000 R.P.M.(Microprocessor Based)

Temp. -20°C

**Laby**™



Angle Head 12x2ml



**Model: T-50**

## Specifications

- Bench Top Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced universal motor with having carbon brushes.
- CRC free refrigeration.
- 2 lines, 20 characters. LCD Display for set time, run time set and run rpm, rcf.
- Digital Timer 0-59 minutes
- Programmable Speed Regulator from 2000 to 16000 rpm in variation of 100 rpm.
- Safety lid lock.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the temperature of
- centrifuge bowl from room temp. upto -20°C and shuts off the cooling compressor within accuracy of  $\pm 1^\circ\text{C}$  in stand by mode. Means only the centrifuge bowl is cooling and centrifuge motor is in stand by mode.
- Temp. Accuracy when motor is also running is  $\pm 2^\circ\text{C}$

## Technical Parameter

► Msx Speed	16000 RPM
► Max RCF	16800 x g
► Motor	Universal Motor (with carbon brushes)
► Power	AC 220V 50 Hz 20A
► Weight	55 kg Approx
► Dimensions	L - 25" x W - 20" x H - 14" approx

Supply complete with following angle rotor heads to accommodate polypropylene micro Centrifuge tubes (eppendorf Tubes as well)

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
► Angle Rotor	12 x 1.5/2.2 ml.	16000	16800 x g

► Adopters to accept 1.5ml Eppendorf micro-centrifuge tubes.

ISO : 9001, ISO : 13485, GMP, CE, MSME

# Refrigerated Micro Centrifuge

## Digital-20000 R.P.M.(Brushless Motor)

**Laby**™

### PREMIUM MODEL BRUSHLESS



Angle Head 12 x 2ml



Angle Head 24 x 2ml



Model : T-55 BL

### Specifications

- Bench Top high speed Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced brushless motor with electronic drive.
- 4 lines, 20 characters. LCD Display for set time, run time, set and run rpm, rcf and rotor identification.
- Digital Timer 0-99 minutes, lid lock and fast spin option
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of 3 acceleration + 4 deceleration profile.
- Microprocessor based. Programmable Speed Regulator from 2000 to 20000 in interval of 100 rpm
- Last test parameter recall and displays automatically on LCD
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp. from room temp. upto -20°C means shuts off the cooling compressor within accuracy of + 2°C.
- Supply completed with, instruction manual, cord & plug to work on 220 volts 50Hz A.C.

### Technical Parameter

► Max. Speed	20000 R.P.M.
► Max. RCF	23000xg
► Timer	0-99 Min.
► Motor	Brushless Motor
► Temp. Range	from room temperature- to -20°C
► Temp. Accuracy	±2°C (at 20000 rpm upto 5 minute operation of centrifuge)
► Power	AC 220V 50 Hz 20A
► Weight	55 kg. Approx.
► Dimension	L-25" x W-20" x H-14" approx.

Machine comes without rotor heads.

Optional rotors can be selected as per customer's requirements are as under

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
► Angle Rotor	12 x 1.5/2.2 ml.	20000	23000 xg
► Angle Rotor	24 x 1.5/2.2 ml.	16000	18000 xg

● Note: The speed of the machine depends upon the type of rotor being used. If rotor is heavy the speed will reduce as per above

# Refrigerated Universal Centrifuge

Digital-16000 R.P.M.(Microprocessor Based)

Temp. -10°C

**Laby**™



CARBON MOTOR



Model: T-45

## Specifications

- Bench Top Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- S.S. centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced universal motor with having carbon brushes.
- 2 lines 20 characters LCD Display for set and run time, set and run rpm, rcf.
- Digital Timer 1-99 minutes. Having a safety lid lock.
- Programmable Speed Regulator from 500 to 16000 rpm in variation of 100 rpm.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the temp. from room temp. upto -10°C and shuts off the cooling compressor within accuracy of  $\pm 2^\circ\text{C}$  in stand by mode. Means only the centrifuge bowl is cooling and centrifuge motor is in stand by mode.
- Temp. Accuracy when motor is also running is  $\pm 2^\circ\text{C}$

## Technical Parameter

► Max Speed	16000 RPM
► Max RCF	16800 x g
► Motor	Universal Motor (with carbon brushes)
► Power	AC 220V 50 Hz 20A
► Weight	55 kg Approx
► Dimensions	L-25" x W-20" x H-14" approx

## Rotor Head

Machine comes without rotor heads.

Following angle rotors can be selected as per customer's requirements are as under

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
► Angle Rotor	12 x 1.5/2.2 ml.	16000	16800 x g
► Angle Rotor	24 x 1.5/2.2 ml.	13000	13910 x g
► Angle Rotor	8 x 15 ml.	7000	7490 x g
► Angle Rotor	4 x 50 ml.	7000	7490 x g

- Adapters to accept .5ml Eppendorf micro-centrifuge tubes.



Angle Head 12x2ml



Angle Head 24x2ml



Angle Head 8x15ml



Angle Head 4x50ml

# Refrigerated Universal Centrifuge

Digital-16000 R.P.M.(Microprocessor Based)

Temp. -20°C

**Laby**™



Angle Head 12x2ml



Angle Head 24x2ml



Model: T-60

- Bench Top Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- S.S. centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced universal motor with having carbon brushes.
- 2 lines 20 characters LCD Display for set and run time, set and run rpm, rcf.
- Digital Timer 1-99 minutes. Having a safety lid lock.
- Programmable Speed Regulator from 500 to 16000 rpm in variation of 100 rpm.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the temp. from room temp. upto -20°C and shuts off the cooling compressor within accuracy of  $\pm 2^\circ\text{C}$  in stand by mode. Means only the centrifuge bowl is cooling and centrifuge motor is in stand by mode.
- Temp. Accuracy when motor is also running is  $\pm 2^\circ\text{C}$

## Technical Parameter

► Max Speed	16000 RPM
► Max RCF	16800 x g
► Motor	Universal Motor (with carbon brushes)
► Power	AC 220V 50 Hz 20A
► Weight	55 kg Approx
► Dimensions	L-25" x W-20" x H-14" approx

## Rotor Head

Machine comes without rotor heads.

Following angle rotors can be selected as per customer's requirements are as under

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
► Angle Rotor	12 x 1.5/2.2 ml.	16000	16800 x g
► Angle Rotor	24 x 1.5/2.2 ml.	13000	13910 x g
► Angle Rotor	8 x 15 ml.	7000	7490 x g
► Angle Rotor	4 x 50 ml.	7000	7490 x g

- Adapters to accept .5ml Eppendorf micro-centrifuge tubes.



Angle Head 8x15ml



Angle Head 4x50ml

# REFRIGERATED CENTRIFUGE - UNIVERSAL (Microprocessor Based. Digital - 20000 rpm)

**Laby**™



BRUSHLESS MOTOR



Model: T-70BL

## Specifications

- Bench Top Model Refrigerated Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced brushless motor with electronic drive.
- 4 lines, 20 characters. LCD Display for set time, run time, set and run rpm, rcf and rotor identification.
- Digital Timer 1-99 minutes, lid lock and fast spin option
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of 3 acceleration + 4 deceleration profile.
- Microprocessor based. Programmable Speed Regulator from 2000 to 20000 in interval of 100 rpm
- Last test parameter recall and displays automatically on LCD
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp. from room temp. upto -20°C means shuts off the cooling compressor within accuracy of + 2°C.
- Supply completed with, instruction manual, cord & plug to work on 220 volts 50Hz A.C.

## Technical Parameter

► Max. Speed	20000 R.P.M.
► Max. RCF	37570xg
► Timer	0-99 Min.
► Motor	Brushless Motor
► Temp. Range	from room temperature- to -20°C
► Temp. Accuracy	±2°C
► Power	AC 220V 50 Hz 20A
► Weight	60 kg. Approx.
► Dimension	L-27" x W-21" x H-15" approx.

Machine comes without rotor heads.

Optional rotors can be selected as per customer's requirements are as under

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
► Angle Rotor	12 x 1.5/2 ml.	20000	37570 xg
► Angle Rotor	24 x 1.5/2 ml.	16000	27800 xg
► Angle Rotor	8 x 15 ml.	13000	17000 xg
► Angle Rotor	6 x 50 ml.	13000	17000 xg
► Angle Rotor	4 x 100 ml.	13000	17000 xg



Swing out head 2 plates of 96 wells



**Model: T-65**

### Specifications

- Bench Top Refrigerated Micro Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with Brushless Motor..
- CRC free refrigeration.
- 2 lines, 20 characters. LCD Display for set time, run time set and run rpm, rcf.
- Digital Timer 1-99 minutes
- Programmable Speed Regulator from 400 to 2800 rpm in variation of 100 rpm.
- Safety lid lock.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the temperature of
- Centrifuge bowl from room temp. upto -20°C and shuts off the cooling compressor within accuracy of + 1°C in stand by mode. Means only the centrifuge bowl is cooling and centrifuge motor is in stand by mode.
- Temp. Accuracy when motor is also running is + 2°C

### Technical Parameter

► Max Speed	2850 RPM
► Max RCF	1800 x g
► Motor	Brushless
► Power	AC 220V 50 Hz 20A
► Weight	55 kg Approx
► Dimensions	L - 25" x W - 20" x H - 14" approx

Price of rotors are extra :-

Capacity	Type of Rotor	Type of Container	Speed RPM	RCF 'g'
► 2 Plates of 96 Wells	Swing Out	Plastic	2850	1800 x g
► 4 Plates of 96 Wells	Swing Out	Plastic	2850	1800 x g

# REFRIGERATED CENTRIFUGE - UNIVERSAL (PLC Based with Touch Screen. Digital - 20000 rpm)

**Laby**™



BRUSHLESS MOTOR



Model: T-90BL

## Specifications

- Bench Top Model Refrigerated Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced brushless motor with electronic drive.
- Fitted with latest technology PLC based with touch screen to display set & run time, set & run rpm, rcf.
- Digital Timer 1-99 minutes with an interval of 1 min.
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of 3 acceleration + 4 deceleration profile.
- Programmable Speed controller from 2000 to 20000 in interval of 100 rpm
- Having an function of automatic rotor identification and short spin .
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp. from room temp. upto -20°C means shuts off the cooling compressor within accuracy of + 2°C.
- Supply completed with, instruction manual, cord & plug to work on 220 volts 50Hz A.C.

## Technical Parameter

► Max. Speed	20000 R.P.M.
► Max. RCF	37570xg
► Timer	0-99 Min.
► Motor	Brushless Motor
► Temp. Range	from room temperature- to -20°C
► Temp. Accuracy	±2°C
► Power	AC 220V 50 Hz 20A
► Weight	60 kg. Approx.
► Dimension	L-27" x W-21" x H-15" approx.

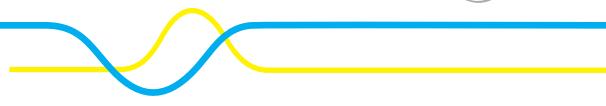
Machine comes without rotor heads. Optional rotors can be selected as per customer's requirements are as under:-

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
► Angle Rotor	12 x 1.5/2 ml.	20000	37570 xg
► Angle Rotor	24 x 1.5/2 ml.	16000	27800 xg
► Angle Rotor	8 x 15 ml.	13000	17000 xg
► Angle Rotor	6 x 50 ml.	13000	17000 xg
► Swing Rotor	2 plates of 96 wells.	3000	1888 xg
► Swing Rotor	6 plates of 96 wells.	3000	1888 xg
► Swing Rotor	16 x 15ml	5000	3155 xg

# REFRIGERATED CENTRIFUGE FLOOR MODEL

## (PLC Based with Touch Screen. Digital - 20000 rpm)

**Laby**™



### Specifications

- Floor Model Multipurpose High Speed and High Volume Refrigerated Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced brushless motor with electronic drive.
- Fitted with latest technology PLC based with touch screen to display set & run time, set & run rpm, ref.
- Digital Timer 1-99 minutes with an interval of 1 min.
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of acceleration and deceleration profile & 50 programmes can be stored.
- Programmable Speed controller from 2000 to 20000 in interval of 100 rpm
- Having a function of automatic rotor identification and short spin .
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp. from room temp. upto -20°C means shuts off the cooling compressor within accuracy of  $\pm 2^{\circ}\text{C}$ .
- Supply completed with, instruction manual, cord & plug to work on 220 volts 50Hz A.C.



### Technical Parameter

► Max. Speed	20000 R.P.M.
► Max. RCF	37570xg
► Timer	1-99 Min.
► Motor	Brushless Motor
► Temp. Range	from room temperature- to -20°C
► Temp. Accuracy	$\pm 2^{\circ}\text{C}$
► Power	AC 220V 50 Hz 20A
► Weight	90 kg. Approx.
► Dimension	L-40" x W-29" x H-23" approx.

Machine comes without rotor heads. Optional rotors can be selected as per customer's requirements are as under:-

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
► Angle Rotor	12 x 1.5/2 ml.	20000	37570 xg
► Angle Rotor	24 x 1.5/2 ml.	16000	27800 xg
► Angle Rotor	6 x 200 ml.	7000	7400 xg
► Angle Rotor	4 x 500 ml.	7000	7400 xg
► Angle Rotor	8 x 100 ml.	7000	7400 xg
► Angle Rotor	12 x 50 ml.	7000	7400 xg
► Angle Rotor	36 x 15ml	7000	7400 xg
► Angle Rotor	4 x 100 ml.	14500	23980 xg
► Angle Rotor	8 x 25 ml.	13000	21160 xg
► Angle Rotor	12 x 15 ml.	13000	21160 xg
► Angle Rotor	8 x 50 ml.	13000	21160 xg
► Angle Rotor	8 Strips of 8x0.2 ml.	11000	12180 xg
► Angle Rotor	24 x 15 ml.	7000	7400 xg
► Swing Rotor	4 x 200 ml.	4500	3500 xg
► Swing Rotor	4 x 250 ml.	4500	3500 xg
► Swing Rotor	108 x 5 ml.	4500	3500 xg
► Swing Rotor	2 plates of 96 wells.	3000	1888 xg
► Swing Rotor	6 plates of 96 wells.	3000	1888 xg
► Swing Rotor	16 x 50 ml.	4500	3500 xg
► Swing Rotor	32 x 15 ml.	4500	3500 xg

**Model: T-100BL**

# REFRIGERATED CENTRIFUGE FLOOR MODEL (Micro Processor Based Brushless - 8000 rpm)

**Laby**™



**Model: T-120BL**

## Specifications

- Floor Model Multipurpose High Speed and High Volume Refrigerated Centrifuge Machine
- Heavy duty C.R.C. construction finished with powder coating
- Stainless Steel centrifugal bowl for extra protection and easy cleaning.
- Fitted with well balanced brushless motor with electronic drive.
- 4 lines, 20 characters LCD Display for set & run time, set & run rpm, rcf.
- Digital Timer 1-99 minutes with an interval of 1 min.
- Dynamic brake (automatic) and imbalance detector are provided.
- Selection of 3 acceleration and 3 deceleration profile.
- Programmable Speed controller from 2000 to 8000 in interval of 100 rpm
- RPM/RCF auto calculating.
- P.I.D. Electronic digital temperature controller cum indicator is fitted to control the centrifuge temp. from room temp. upto -10°C means shuts off the cooling compressor within accuracy of + 2°C.
- Supply completed with, instruction manual, cord & plug to work on 220 volts 50Hz A.C.

## Technical Parameter

► Max. Speed	8000 R.P.M.
► Max. RCF	6350xg
► Timer	1-99 Min.
► Motor	Brushless Motor
► Temp. Range	from room temperature- to -10°C
► Temp. Accuracy	±2°C
► Power	AC 220V 50 Hz 20A
► Weight	90 kg. Approx.
► Dimension	L-40" x W-29" x H-23" approx.

Machine comes without rotor heads. Optional rotors can be selected as per customer's requirements are as under:-

Rotor Type	Rotor Capacity	Speed on Rotor (RPM)	R.C.F.
► Angle Rotor	4 x 500 ml.	8000	7400 xg
► Angle Rotor	6 x 250ml.	8000	7400 xg

G.S.T. Details	HSN Code	G.S.T.
1. All Electrophoresis & Power Supply	90272000	5%
2. U.V. Transilluminator	90182000	5%
3. Anaerobic Culture Jar	90189099	5%
4. Paper Chromatography Kit	90272000	5%
5. Blood Bag Tube Sealer	90189099	5%
6. Haemoglobinometer (Sahli's)	90279090	5%
7. Photo Electric Colorimeter	90272000	5%
8. All Centrifuge Machines	84211920	18%

## Terms & Conditions

1. Prices	:	As per our printed price list.
2. G.S.T.	:	As applicable at present it is 18% & 5% depends upon the HSN Code No.
3. Packing	:	Prices are F.O.R. Ambala means packing is free of cost.
4. Freight	:	Freight to be paid by customer.
5. Local Octroi	:	To be paid by you if any.
6. Delivery	:	Within 2-4 weeks on the receipt of your confirm order.
7. Warranty	:	One year against any defect.
8. Payments	:	25% Payment advance with order and balance ON COD.
9. Jurisdictions	:	All matters subject to Ambala Jurisdiction.
10. Prices	:	Prices can change without prior notice.

## Details of our Bank

Account Name : **Laby Instruments Industry**  
Bank Name : **HDFC Bank Ltd.**  
Branch Name : **Mahesh Nagar, Ambala Cantt**  
RTGS/IFSC No. : **HDFC0002562**  
Account No. : **50200063365693**

## Laby Instruments Industry

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## Administration

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8222830201**

Literature can be downloaded from our website: [www.labyindia.com](http://www.labyindia.com)