

DEPTT OF PHARMACOLOGY

Sl. No.	Name of Machine & Instrument	Specification
1	Student Jar Bath (Dale's Organ Bath)	Water tank -01 Assembly, Water Stirrer -01 Assembly, Temp, frontal writing lever, Controller-Analogue, Organ Bath Tubes-01, Temp. Range-5°C above Ambient to 60°C, Temp. Accuracy±2°C, Coupler Set 02 Set, Aeration Tube 02.
2	Sherrington Recording Drum (Kymograph)	Highly accurate 7 Speeds - 0.12, 0.25, 0.50, 0.75, 1.00, 1.25, 2.50 mm/sec., Drum Dimension – Height of Drum 170mm, Diameter of drum 150mm, Height of rod-340mm, Optional –Battery Backup, Power Requirement-220V AC.
3	Dispensing Balance with wt 1 gm to 50 gm	Specification not available. Best <sup>latest</sup> specification should be aquired.
4	Mortar & Pastel	Specification not available. Best <sup>latest</sup> specification should be aquired.
5	Oxygen Cylinder	Specification not available. Best <sup>latest</sup> specification should be aquired.
6	Bubble Aerator	Specification not available. Best <sup>latest</sup> specification should be aquired.
7	Frontal Writing Lever	Specification not available. Best <sup>latest</sup> specification should be aquired.
8	Smoking Burner	Kerosene with 3" wick & winding up gear.
9	Computer desktop with Accessories	<ul style="list-style-type: none"> <li>• Intel Pentium Dual-Core Processor E2160, 1.82 GHz</li> <li>• 2-MB L2 Cache, 800 MHz FSB</li> <li>• Intel 945GC Chipset Motherboard</li> <li>• 1024-MB DDR2 Memory, Upto 4-GB maximum</li> <li>• 160-GB Serial-ATA Hard Disk Drive, 7200 rpm</li> <li>• 32X DVD Super Multi Drive DVD Writer</li> <li>• 15-inch (43 cm) Wide TFT LCD Monitor with Digital Video Interface</li> <li>• Intel Graphics Media Accelerator GMA950 with DVMT 3.0, 128 MB Shared Video Memory</li> <li>• WiFi 802.11 a/b/g Wireless Network Interface</li> <li>• Ports: 2 USB v2.0, Serial, Parallel, Audio In, Audio Out, PS2 mouse/keyboard, S-Video TV output, IEEE 1394 Port</li> <li>• 6 Channel Audio (without 5.1 speaker system)</li> <li>• Two External Stereo Speakers</li> <li>• 2 PCI Slots, 1x PCI Express x16 graphics slot</li> <li>• Multimedia Keyboard with Trackball – Window 8.1</li> </ul>
10	Ex pharma pro Software	Works with Windows No external Software required Both Online and Offline model available The display gets adjusted autom atically depending on the screen resolution chosen Works seamlessly with all latest versions of Windows including Vista
11	X- cology software	Specification not available. Best <sup>latest</sup> specification should be aquired.
12	Pharma expert	Specification not available. Best <sup>latest</sup> specification should be aquired.
13	SPSS SOFTWARE	Specification not available. Best <sup>latest</sup> specification should be aquired.
14	Analgesiometer	Radiant Heat type or tail flick type, provide

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19/8/14

	(Digital)	pain stimulus by heated Nichrome wire in a rat's tail to determine analgesic effect of drugs.
15	Electro Convulsimeter (Digital)	Provides 50Hz alternating current stimulus for producing minimal and super maximal seizures required in the assay of anti-convulsant epileptic drugs complete with one pair corneal electrodes 4,6 & 8mm cups and one pair of ear clips work on 220 A.C.
16	Soxhlet Apparatus (2L, 3L)	Completely automated, Stirrer bar, Still pot, Distillation path, Thimble, Solid, Siphon top, Siphon exit, Expansion adapter, Condensor, Cooling water in, Cooling water out, Temperature Range : 50°C to 350°C
17	Heating Mantal (2L, 3L)	With stand high temperature up to 350°C, the body of the mantle is spun in one piece from non-rusting aluminium, work on 220/230 volts A.C, capacity 3 ltr 450 wattage
18	Desiccator with vacuum facility with capacity 06 ltr & 10 ltr	Maximum vacuum of 1 torr for 72 hrs, Highly transparent, shatter-proof, non corrosive and easy to clean polycarbonate, Greaseless airtight vacuum seal using high quality silicon gasket, providing three way stopcock, Flange lock holding, UV-blocking models minimize damages & vacuum gauge attached at the center of the lid, capacity 10 ltr, 308 x 400
19	all Mage system (Digital)	Specification not available. Best specification should be aquired. <i>Best</i>
20	Animal Holder For Small Animal 62mm with Universal	Specification not available. Best specification should be aquired. <i>Best</i>
21	Animal Operating Table (Small)	<p>Heated, temperature-controlled operating table for rats</p> <p>Heated, temperature-controlled operating table for mice</p> <p>Positioning stage for operating table</p> <p><b>OP table with wound retractors and kidney cup:</b> 290x200x65 mm, PVC, gray, with cork pad, surrounding channel for fluid drainage, and 2 height-adjustable feet, Electrical heating pad, 150x55 mm, black anodized aluminum; Pivoting mounting bracket, height adjustable, with 6 mm diameter rod for mounting of clamps; 4 mounting rails; 1 cross bar clamp; 1 swivel bar clamp.</p> <p><b>Control unit:</b> Regulating temperature range 36-42 degree C</p> <p>Positioning stage</p> <p><b>Accessories:</b></p> <p>XY-stage for operating table (allows 20 mm translational and 360 degree rotational movement) 03-11 Kidney cup 10 mm, Lucite (for mice)</p> <p>Kidney cup 12 mm, Lucite (for mice)</p> <p>Kidney cup 14 mm, Lucite</p> <p>Kidney cup 19 mm, Lucite</p> <p>Kidney cup 21 mm, Lucite</p> <p>Kidney cup 24 mm, Lucite</p>

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19/8/17

		<p>Kidney cup 26 mm, Lucite</p> <p>Set of 5 kidney cups 14-26 mm, Lucite</p> <p>Stand for kidney cups, red plastic. Holds up to 5 cups</p> <p>Aortic clamp, complete with stainless steel holder</p> <p>Adjustable mounting bar for operating table (including 2 thumb screws)</p> <p>Clamp with mounting bar</p> <p>Fixed bar clamp (for 6 mm o.d. bars)</p> <p>Swivel bar clamp (for 6 mm o.d. bars)</p> <p>Clamp with ball joint (for 6 mm o.d. bars)</p> <p>Rail clamp with mounting bar (6 mm o.d.), 150 mm length</p> <p>Wound retractors for operating table, set of 4</p> <p>Wound retractors for operating table, set of 4 (for mice)</p> <p>Rectal temperature probe, rigid (1.7 mm o.d.)</p> <p>Rectal temperature probe, flexible (2.4 mm o.d.)</p>
22	<b>Cannular Arterial Cannula</b>	Specification not available. Best specification should be aquired. <i>Latest</i>
23	<b>Animal Head Holder Universal Joints</b>	Specification not available. Best specification should be aquired. <i>Latest</i>
24	<b>Rat Tail Clip</b>	Specification not available. Best specification should be aquired. <i>Latest</i>
25	<b>UV- Cabinet For TLC Monitoring</b>	U.V Chromatography inspection cabinet for viewing and detecting prepared substance on T.L.C layers fitted with long wave (365nm)U.V tubes for use 220 volts AC.
26	<b>Vacuum Filtration Assembly</b>	Fitted with vaccum pump, filtration flask 2 ltr capacity fitted with buchner funnel & rubber tubing.
27	<b>Magnetic Stirrer with heating options</b>	With hot plate and heavy duty permanent magnet,compact stirring device utilising magnetic field,variable speed stirring action of small Teflon rotor,the unit fitted with pilot lamp, work on 220/230 volts A.C.

28	<b>Vacuum Pump, Laboratory</b>	V belt driven at 400 rpm and fitted electric motor mounted on a cast iron base plate,pumps are single and double stage single and double stage pump create maximum vaccum of 0.01 and 0.001mm hg.capacity 25,50,75 &100 lt/mm
29	<b>Hebb Willian Mage</b>	Specification not available. Best specification should be aquired.
30	<b>Langender off System (Lever/Kidney) Mouse to Rabbit</b>	<p>The system should be designed for in vitro investigations of the perfused kidney of small laboratory animals like mice, rats, hamsters, guinea pigs and rabbits. During experiments, the artery of the organ is cannulated and perfused with a buffer solutions using either constant pressure or constant flow mode. Then changes in the perfusion pressure can be measured. If desired, the effluents can be collected for biochemical analysis.</p> <p><b>Features :</b></p>

*Shah*  
19/8/18

		<ul style="list-style-type: none"> <li>• Should have constant flow and constant pressure modes</li> <li>• Should be equipped to measure perfusion pressure, arterial flow and buffer temperature</li> <li>• Perfusion pressure up to 120mmHg</li> <li>• Should maintain buffer temperature with water-jacketed reservoir</li> <li>• Should consists lubricant-free Teflon taps</li> <li>• Should have external circulating water bath for the buffer reservoir</li> <li>• Should have internal heater/controller for the organ bath</li> <li>• Supplementary thermostat in the organ bath</li> <li>• Constant oxygenation of the buffer</li> </ul> <p><b>Perfusion Chamber :</b></p> <p>Each perfusion chamber should have an organ holder, water bath, heater, vaporizer, perfusion inlet and outlet, thermo-sensor port, supplementary thermostat, mesh organ fastener, acrylic lid, and blood vessels and ureter ports. The perfusion chamber, the most critical part of the system must have autonomic thermoregulation. The system should be equipped with a kidney chamber.</p> <p><b>This system should include the following items :</b></p> <ul style="list-style-type: none"> <li>• Table with base plate, shelf, and sink – 1 No</li> <li>• Console – 1 No</li> <li>• Perfusion buffer column – 1 No</li> <li>• Glass overflow tube – 1 No</li> <li>• Pressure sensor holder – 1 No</li> <li>• Oxygenation bubbler set - 1 No</li> <li>• Oxygenation pressure equalizer set - 1 No</li> <li>• Teflon tap – 1 No</li> <li>• Silicon tubing set, cables and accessories – 1 No</li> <li>• 2 Channel Peristaltic pumps -2 Nos (One for filling buffer reservoirs, and one for constant flow mode)</li> <li>• Circulating Water Bath – 1 No</li> <li>• Pressure transducers with cables – 2 Nos</li> <li>• Data Recording System – 1 No</li> <li>• Tissue Bath for Liver – 1 No</li> </ul>
31	<p><b>Organ Bath (2/4/6/8 Cabins) with dose response software</b></p>	<p>Four unit organ bath with automatic dose response software perperx bath with tissue chamber, pre-heating reservoir coil, gas diffuser, tissue holder, micro positioner, water pump and temp. controller, recording unit with +2 mV to +10 V range, Third party software free import and export, file sharing free of cost,</p>

  
 19/8/19

32

L.C.M.S / M.S For  
TDM**QUATERNARY GRADIENT HPLC**

PUMP Quaternary Gradient HPLC System with Vacuum Degassing

Flow rate range maximum pressure of 6100 psi 0.01 to 10.0 mL/min, for the entire range

Flow rate increments 0.01 from 0. to 99 mL/min; 0.1 from 1.0 to 10 mL/min

Flow Precision 0.3% relative standard deviation (typically 0.1%) at 1 mL/min and 1 000 psi (70 bar) with water

Flow accuracy +/- 1 % of setting at 1 mL/min and 1000 psi with water

Retention Time Reproducibility <0.1% RSD) <0.3% RSD (typically

Pressure range 0 to 6100 psi for the entire flow rate range

Composition range 0 to 100% solvent A - D

Composition Settability Settable to 0.1%

Composition Accuracy +/-1.0% absolute from 3 to 97% from 0 to 5 mL / min (typically +/- 0.50%)

Composition precision Typically less than 0.2 % variation

Gradient Forms Linear, exponential 1 to 99 (positive and negative) or step (189 profile selections)

Linearity Within +/- 1% of from 10 to 90% at 5 ml/min

Program Steps Steps 0 plus upto 19 solvent program steps. Battery-backed storage of up to 20 method plus 1 edit method and 1 default

method.

Step time 0 to 999 min

Step time increments 0.1 min, 0 to 9.9 min; 1.0 min 10 to 999 min

Timed events Two built-in independent momentary (two-second) contact

closures

Events / Method Maximum 9

Event Increments 0.1 min 0 to 9.9 min; 1.0 min 1 to 999 min

**UV/VIS DETECTOR**

Wavelength range 190-700 nm

Band width 5 nm

Wavelength accuracy +/- 1 nm

Optics Dual beam

Sensitivity range 0.0005 to 3.000 AUFS in 0.0001 increments from 0.0005 to 0.1 and 0.01 increments above 0.1 AUFS

Noise <7.5 x 10<sup>-6</sup> AU, 210-280 nm, 2 sec response time, Standard test cell

Drift < 1 X 10<sup>-4</sup> AU/hour, after warm up

Flowcell 12 µL, 10 mm path length,

Leak detection Heated thermistor sensor in glass envelop, located in

*Shen*  
19/8/14

Light sources	Deuterium (190-360 nm) or Tungsten (360-700 nm),	flowcell pan.	drip
		pre-focused,	no
		adjustment required	on
		replacement	

**HPLC COLUMN OVEN**

Operating range	5 °C to 90 °C
Recommended flow range	Up to 5 mL/min
Temperature accuracy entire range*	±1 °C over
Temperature stability	±0.2 °C
Temperature repeatability	±1 °C
Heating rate or 60 °C at 2 mL/min	20 min to 10 °C
Temperature ramp	Up to 5 °C/min
Column-selection-valve capacity positions	6 switching
Power consumption	120 Watts

**AUTOSAMPLER**

Pressure limits (428 bar)	Up to 6100 psi
Injection modes	Fixed Loop: 5x
sample overfill	Partial Fill: Variable injection volumes
	µL Pickup:
	Injections without any excess sample waste
	Fixed Loop mode: 2 µL
Injection volume to 500 µL,	Partial Fill mode: 0.1 µL to 2.45 mL
	As fast as 8 seconds in
Injection cycle time	
Partial Fill mode or 35 seconds in µL	
Pickup mode	
Injection repeatability RSD	Fixed loop mode: 0.3%
Sample carryover	<0.01%, using
programmable needle wash	
Derivatization/ serial dilution	Both
automated pre-column derivatization and serial dilution	are supported
Peltier temperature ambient -3 °C	Cooling-Only: 4 °C to
	Cooling/Heating: 4 °C to 40 °C
Audible noise level	LeAq <70 dB

**MASS SPECTROMETER**

**ION SOURCES:**

- Ion sources should easily be interchanged without using any tools or shutting down the vacuum for quick and efficient switching between applications.
- Should have Wide range of desolvation flows (counter/dry gas) and choice of solvent composition enabled via innovative ion source design.
- Ionization technology: Ion source design should allow modulation of electric field that allows ionization preserving molecular structure even for weak compounds.

*Sha*  
19/8/14

- **Should have Ease of use: Snap-in probe design** preferable, which should allow easy and fast interchangeability to minimize cross contamination, autotune algorithm to allow easy tuning and optimization of performance. **Angular grounded probe – adjustable in X, Y, and Z – axes** (to avail large range of flow rates)
- **Must have Source ID: Built-in source transponder must transfer source ID to software** allowing use of proper calibration parameters.
- **Should have Capillary technology** for smooth transition from atmospheric pressure to vacuum with best ion transfer.
- Should have Single Click **Autotune facility** with 3 options – through vials or built in syringe or External syringe.
- Must have Special **Dual ESI source** compatibility for LC SQ.
- **Desired Sensitivity:** Best in class sensitivity in positive and negative ion mode for ESI and APCI applications through the adoption of patented design ion path that optimizes efficiency of ions transfer. Should have **Hexapole** - for excellent ion guide towards quads
- **Must have Single Screw maintenance** for the customer till Hexapole.
- Should have Easy cleaning process, Compatible with even phosphor buffer.
- ESI and Dual ESI - Flow rate range is **0.004 - 1.4 mL/min (no split)**
- APCI Flow rate range is **0.05 - 1.5 mL/min (no split)**
- Easy and fast Customized optimization facility for all samples which should Increase speed in method development on MS.

**Quadrupole Analyzer Performance Specifications:**

- Mass Range 20-3000
- Mass Accuracy + 0.1u/24 hr; ± 3°C
- Mass Axis Stability + 0.1u/24 hr; ± 3°C
- Max Scan Rate (u/s) 10,000
- Resolution (FWHM) 0.6u ± 0.1 (20-3,000u)
- Polarity Switching Standard
- Quant. Dyn Rng 10 e5

**SENSITIVITY SPECIFICATIONS:**

- ESI+SIM S/N ≥120:1 RMS 1 pg/ ul reserpine @ 400 ul/ min MeOH/ H2O
- ESI-SIM S/N ≥100:1 RMS 2 pg/ ul p-nitrophenol @ 400 ul/ min MeOH/ H2O

*Shan*  
9/8/19

		<ul style="list-style-type: none"> <li>• APCI+SIM S/N <math>\geq 100:1</math> RMS 1 pg/ul reserpine @ 1.0 ml/min MeOH/ H<sub>2</sub>O</li> <li>• APCI+SIM S/N <math>\geq 100:1</math> RMS 20 pg/ ul p-nitrophenol @ 1.0 ml/min MeOH/ H<sub>2</sub>O</li> </ul> <p><b><u>PC WITH SOFTWARE / DATA CONTROL SYSTEM</u></b></p> <p>Vendor must offer branded PC preloaded with the Controlling Software for HPLC and Mass Spectrometer / Data Control System.</p> <p><b><u>ESSENTIAL ITEMS</u></b></p> <p>Suitable Nitrogen Generator (N<sub>2</sub> @100 psi &gt;97% pure, hydrocarbon free; Required ~20-30 L/min), Printer and On-line UPS must be quoted.</p>
33	Paper & Gel Electrophoresis	Specification not available. Best specification should be aquired. <i>lady</i>
34	Electronic Board with Accessories	Specification not available. Best specification should be aquired. <i>lady</i>
35	Rotarod Apparatus with software utility	dimension(mm)-850X310X550, Width of lane(mm)-118, Number of components-05, Diameter of central rod for mice(mm)-30, Diameter of central rod for rat(mm)- 60, Distance & rod shaft from bottom time switch plate-215mm, power recruitments-230 V AC, PC connectivity-yes
36	Digital Physiograph along with software	Software with HTML support, One centralised station with two sub-station on line facility with 100 students, Extensive list of self-contained experiments, life time license with free updating of the experiments, analysis modules for ECG, BP, HRV, Peak analysis supporting excel and Matlab, 4 channel system hardware along with stimulator software, ECG swith box.
37	Computerized Non Invasive Blood Pressure System for Rats	Software 4 channel data unit, automated online and offline data extraction, free update and upgrades, NIBP system with DAS, Automatic starting, Rodent tail-cuff holder restrainer, ergo-meter, desktop computer, TFT, core2-duo processor, 160 GB HDD, 2GB Ram, DVD RW, UPS & Printer
38	Digital Plethsmometer auto calibration & PC connectivity	Auto calibration, high accuracy, resolution: 0.01ml Pedal switch, LCD graphic display, connectivity to PC, data entry system, parameter measuring system, control ynit, stand for holding Perspex tube, cables, connectors, surfactent solution bottles, dust protection covers, micro-litre syringe(500 $\mu$ l), digital pocket connectivity meter, calibration probes
39	Lagendorff Isolated Perfused Heart System, Single Column	<p>The system should be used for in vitro investigations of the hearts of small animals according to the methods originated by Oscar Langendorff. The system should be configured easily to perform many of the common methods used to study isolated hearts.</p> <p>The Langendorff system should be designed as a perfusion system for isolated, small</p>

*Shan*  
15/8/19



		<p>mammalian hearts. Some of the special features of this system should include the stainless steel sink, the small reeling pump and two-way Teflon taps.</p> <ul style="list-style-type: none"> <li>• Retrograde perfusion of isolated hearts from mouse, rat, guinea pig, hamster and rabbit</li> <li>• Measurements in constant pressure or constant flow mode on the same device</li> <li>• Should be equipped with two columns for using different buffers</li> <li>• Should be capable of recording aortic pressures as high as 120mmHg</li> <li>• Should be equipped for measuring left ventricular pressure (LVP)</li> <li>• Should have ports in the system for measuring pressure, flow, temperature and surface potentials, and for the infusion or injection of drugs</li> <li>• Continuous filling of buffer columns with use of a pump</li> <li>• Continuous oxygenation of buffers</li> <li>• Should have water-jacketed system for precise temperature control</li> </ul> <p><b>This system should include:</b></p> <ul style="list-style-type: none"> <li>• Table with base plate, shelf, and sink</li> <li>• Console</li> <li>• Perfusion buffer column</li> <li>• Glass overflow tube</li> <li>• Teflon Tap set - tap valves and heater</li> <li>• Heart suspension unit</li> <li>• Heart chamber</li> <li>• Spindle syringe - cannula, tube, syringe</li> <li>• Pressure sensor holders</li> <li>• Oxygenation bubbler set</li> <li>• Oxygenation pressure equalizer set</li> <li>• Silicon tubing set, cables and accessories</li> <li>• Latex Pressure Balloons</li> <li>• Peristaltic Pumps – 2 Nos</li> <li>• Circulating Water Bath - 1 No</li> <li>• Latex Balloons – 1 No</li> <li>• Biological Amplifier with 2 pressure sensors and 1 temperature sensor – 1 No</li> <li>• 12-electrode sensor for recording MAP from different positions around the heart</li> <li>• Data Recording Instrument.</li> </ul>
40	<b>Small Animal Anesthesia System</b>	<p>The system should be a turnkey solution for performing anesthesia on neonates and up to 1 kg animals. It should be 90% below OSHA Isoflurane limit which is safe for lab personnel. The anesthesia system should have different breathing devices, all with a patented valve that mitigates the gas flow to the snugly-</p>

*Shah*  
19/8/19

		<p>fitted nosecone. A highly sensitive valve regulated by the animal's breathing works with the nosecone to ensure non-rebreathing efficiency and allow safe anesthesia for up to 12 hours.</p> <p>An activated charcoal air filter canister at the top of the induction chamber releases safe, filtered, exhaust air back into the room. It should have a push button oxygen flush to safely eliminate the isofluorane from the induction chamber.</p> <p><b>Features :</b></p> <ul style="list-style-type: none"> <li>• Fixed flow rates are set specifically for mice and rats</li> <li>• Each output is individually controlled with simple on/off switch</li> <li>• Five outputs supply anesthesia to the induction chamber and up to four breathers</li> <li>• Preset flow rates eliminate need for flow meters and manual adjustments</li> <li>• Protocols should be easily followed without calculations</li> <li>• Minimum opportunity for operator error</li> <li>• Flow rate should not be impacted by the type or number of accessories connected</li> <li>• Precise and low flow gas</li> <li>• Pushbutton oxygen flush purges induction chamber before removing animals</li> <li>• Carry handle facilitates safe, easy transport of the unit</li> </ul> <p><b>The system should include -</b></p> <ul style="list-style-type: none"> <li>• Auto-Flow Vaporizer Unit – 1 No</li> <li>• Mouse/Rat Non-Rebreathing Device – 1 No</li> <li>• Mouse/Rat Induction Chamber – 1 No</li> <li>• Charcoal Filters (8)</li> <li>• Oxygen Regulator for 'H' Tanks – 1 No</li> <li>• Mouse/ Rat nosecones</li> <li>• Nosecone plugs, plastic</li> <li>• Surgery beds (2)</li> <li>• Charcoal filter stand</li> <li>• All connecting tubes</li> </ul>
41	Deep Freezer	<p><b>Fully Microprocessor controlled High Performance Upright -20°C DEEP Freezer</b></p> <p>Operated on 22-230V/50-60Hz</p> <p>Microprocessor control system with high temp, low temp, door air alarms, and password security. Capacity should be around 340-350 Lit. The unit should be equipped with a solid core door and includes 4 white wire sheet steel shelves</p>

*Sha*  
19/8/14

		<p>mounted on anti-tilt clips.</p> <p>Should have provision for Included is a door security key lock, small castors, external dry alarm contacts,</p> <p>LED lighting for no fluctuation of inner temp</p> <p>Should have Antimicrobial exterior paint</p> <p>The electronic controller has temperature set ability of 0.1°C resolution and is fitted with a backlit</p> <p>Alphanumeric display capable of being set in 5 languages menu.</p> <p>The unit should includes automatic defrost.</p> <p>Electronic control : 0.1°C resolution, intelligent automatic defrost, password protection</p> <p>Should have following safety features like Door open alarm, high/low temp alarm, power failure alarm, condenser filter, alarm, key lock</p> <p><b>Temp range : -10°C to -25°C with temp uniformity range : ±3°C</b></p> <p>Door : 1 solid door with interior wall ; Stainless steel</p> <p>Defrost : Intelligent automatic defrost optimizes thermal performance while managing the thermal variation for true high performance protection of samples</p> <p>Warranty should be not less than 2 yrs</p> <p>Certifications : CE mark/ISO 9001:2008; ISO 13485:2004</p> <p>Shelves : 4 nos, optional drawers</p>
42	Water Purification System	<p>Pure water production at 15°C, L/H:7, resistivity at 25°C, MΩCM:15-10, conductivity µs/cm:0.067-0.1</p> <p>Toc value, ppb: &lt;30,</p> <p>Removal of bacteria particles: 99%, silicate removal: 99.9%,</p> <p>Storage tank 30 liter,</p> <p>Co2 absorber + sterile filter</p>
43	Water Distillation Automatic 10/LT	<p>Specification not available. Best specification should be aquired.</p>
44	Electrophoresis power supply	<p>This unit can be used with submarine and mini vertical electrophoresis unit, can run two units at , max. output of 300V, 400 mA &amp; 80 Watts,</p>
45	Mini dual vertical Electrophoresis unit	<p>For two slab gel 10 x 8 cm, include buffer chamber safety lid with cables two alumina plates, 10 glass plate, 2 ten well 1 mm thick comb, 4 spacers of 1 mm thickness, description – electrode assembly, ceramic plate, glass plate, spacer 0.75mm, silicon sealing cord, spring cups, gel caster</p>
46	0.2 ml tube with cap autoclavable	<p>Specification not available. Best specification should be aquired.</p>
47	0.5 ml tube with cap autoclavable	<p>Specification not available. Best specification should be aquired.</p>
48	Individually Ventilated Cage (IVC) System	<p>Specification not available. Best specification should be aquired.</p>
49	LCD Projector with screen	<p>Specification not available. Best specification should be aquired.</p>

*Sha*  
19/8/19

50	Dryer	Sturdy double wall fabrication, chamber size in mm(WxDxH) approx. 430 x 840 x 910
51	Double Distillation Apparatus Glass	Metallic stand plug and board, Borosil flask cap 5 ltr, Single stage, double stage, triple stage, <sup>later</sup>
52	Referigerator 300 L	Specification not available. Best specification should be aquired. <sup>later</sup>
53	LCD Projector with Laptop	Specification not available. Best specification should be aquired. <sup>later</sup>
54	Sliding Screen For Power Point Projector	Specification not available. Best specification should be aquired. <sup>later</sup>

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19/8/14