



DEPARTMENT OF PHARMACOLOGY  
UNIVERSITY OF HEALTH SCIENCES

Khayaban-e-Jamia Punjab, Lahore 54600, Pakistan.  
Phone: +92-42 111 33 33 66 Ext.360, Fax: +92-42-39230870, E-mail: [pharmacology@uhs.edu.pk](mailto:pharmacology@uhs.edu.pk)

Ref. No.UHS/Pharma/22/ 2717

Date: 21/03/2022

0To

The In-charge Purchase Cell,  
University of Health Sciences,  
Lahore.

Subject: Technical Evaluation for Purchase of Lab Equipment of Experimental Research Lab for the Year 2021-2022

Sr. No	Description and Specifications	New Chemical Center	World Wide Scientific	Pak Glorious	Scientec
1	<b>Mini Plate Spinner Centrifuge</b> <ul style="list-style-type: none"><li>• Temperature Range: 4°C to 35°C</li><li>• Speed: 2500rpm</li><li>• Capacity: 2 PCR Plates (96 wells plate)</li><li>• Dimensions: 17.8 x 15.2 x 15.2 cm</li><li>• Acceleration time: ≤10sec(0 to 2500rpm)</li><li>• Brake time: ≤4sec(2500rpm to 0)</li><li>• Digital Display with lid.</li></ul>	Qualified	Qualified	Qualified	Not Quoted
2	<b>Digital Magnetic Hotplate Stirrer</b> <ul style="list-style-type: none"><li>• Material: ceramic plate, ceramic work surface, 6.5 x 6.5 in.</li><li>• Large, backlit LCD display</li><li>• 200-1500 rpm speed</li><li>• Plate size × W × L × 165 mm × 165 in.</li><li>• Durable, chemical resistant, white ceramic work surface.</li></ul>	Qualified	Qualified	Qualified	Qualified



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	<ul style="list-style-type: none"> <li>• Efficient design (7 X 10.5 in. footprint).</li> <li>• Ideal for use on crowded bench-tops and inside bio-hoods.</li> <li>• Advanced microprocessor controls</li> <li>• Quick, precise adjustment of speed and temperature.</li> <li>• Large, backlit LCD display</li> <li>• Constant visualization of the speed and temperature</li> <li>• Safety LED indicates when the top plate is above 50°C.</li> <li>• Equipped with probe for applications that require precise temperature control. When connected, the probe provides direct feedback to the microprocessor, which continuously adjusts and maintains the selected temperature in the sample within +/- 0.5°C.</li> </ul>				
3	<p><b>Yellow Radiation Spill Trays</b></p> <ul style="list-style-type: none"> <li>• Size: 70x46 cm</li> <li>• Re-usable, with the added benefit of safe containment of spillages and lab bench protection.</li> <li>• One free liner</li> <li>• Rust free material</li> </ul>	Not Quoted	Qualified	Not Quoted	Not Quoted
4	<p><b>Yellow Radiation Spill Trays</b></p> <ul style="list-style-type: none"> <li>• Size: 113x54 cm</li> <li>• Re-usable, with the added benefit of safe containment of spillages and lab bench protection.</li> <li>• One free liner</li> <li>• Rust free material</li> </ul>	Not Quoted	Qualified	Not Quoted	Not Quoted



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5	<p><b>Vacuum Concentrator</b></p> <ul style="list-style-type: none"> <li>• Suitable for bench top space</li> <li>• Ideal for evaporation of non-aggressive organics.</li> <li>• Equipped with increased microplate capacity</li> <li>• Simple display and programming.</li> <li>• Six-eight programs available</li> <li>• Enhanced evaporation model, organic compatible</li> <li>• Radiant glass cover to accelerate evaporation and reduce drying time</li> <li>• Vacuum end point mode terminates run when preset vacuum level is reached, Digital display of vacuum, temperature and time section.</li> <li>• Latched lid and lid lock indicator ensuring user safety during operation</li> <li>• Drying biomolecules in HPLC fractions, Evaporating purification solvents</li> <li>• Drying extracts of natural products in drug assays</li> <li>• Lyophilization facility</li> <li>• Medium capacity glass lid</li> <li>• Listed to US, Australian or Canadian requirements.</li> <li>• Electrical Requirements: 230 V 50 Hz</li> </ul>	Qualified	Qualified	Qualified	Not Quoted
06	<p><b>Digital Analytical Balance</b></p> <ul style="list-style-type: none"> <li>• Type: Analytical Balance</li> <li>• Color status light to help you identify the status of your balance, so you know exactly when it is ready for use</li> <li>• Hands-free operation and personnel security enabling</li> </ul>	Qualified	Qualified	Qualified	Not Quoted



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	<p>user to tare, open and close draft shield or print without touching balance</p> <p><b>Electrical Requirements</b></p> <ul style="list-style-type: none"> <li>• 110/230 V 50/60 Hz</li> </ul> <p>Display Type: Color Graphic Display, Depth (English) Pan: 3.-4 inch. Readability: 0.1 mg Length: 19.-21 inch. Height: 12.-15 inch. Stabilization Time: 1.5 sec. Voltage: 110/230 V Linearity: ±0.4 mg Repeatability: &lt;±0.12 mg Width (Metric): 26-30 cm Depth (Metric) Pan: 7-9 cm Capacity: 520 g</p> <p><b>Certifications/Compliance</b> GLP, ISO 9001, UL, CSA Includes: Power supply, two free samples of standard weight</p> <p><b>Temperature Range (Metric):</b> 10°C to 30°C</p>				
07	<p><b>First aid medical box with complete kit</b> Aluminium briefcase style Rust free, durable, 2 year warranty <b>Size (LxWxH):</b> 12in x 9in x 6in Equipped with Povidine Solution (60 ml bottle), Panadol</p>	Not Quoted	Not Quoted	Qualified	Not Quoted



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	Tab (20 Tab.), Disprin Tab (10 Tab.), Ponstan Tab (10 Tab.), Voltrex Gel (20 g), Polyfax Skin Ointment (20 g), Adhesive Plaster Tape (2.5cmx2.0m, 01 Nos), Sani Plast / Hi Plast (20 Nos), Cotton (2 medium size packs), Crape Bandage 4" (2 Nos), Dettol (50 ml), Spirit (120 ml), Alcohol Pads / Medi Swabs (20 Nos), Face Mask (10 Nos), Digital Thermometer- Certeza/Citizen/equivalent (01), Glucose Monitor- Certeza/Citizen/equivalent (01), BP Monitor -Certeza/Citizen/equivalent, Stethoscope - Certeza/Littmann/ equivalent, Pulse Oximeter - Certeza/Citizen/equivalent				
08	<p><b>Electric Air Blower</b></p> <ul style="list-style-type: none"> <li>• Powerful 600-800 W Motor for increased performance</li> <li>• 0-16000 rpm No Load Speed</li> <li>• 3.5m<sup>3</sup> / min Air Volume</li> <li>• 3 Meters Cord Length</li> <li>• Variable speed control to suit all applications</li> </ul>	Not Quoted	Not Quoted	Not Quoted	<b>Not Quoted</b>
09	<p><b>Automatic shoe cover dispenser (one of each type, As per sample picture)</b></p> <ul style="list-style-type: none"> <li>• Capacity of shoe cover: 1000pcs</li> <li>• Design useful life: 300,000 times</li> <li>• Operating voltage: 220V ±5% or 110± 5%,</li> <li>• Maximum power: 1300 W</li> <li>• Standby power: 75W</li> <li>• Preheating time: ≈120s</li> <li>• Film delivering time: 3-5s</li> </ul>	<b>Qualified</b>	Not Quoted	Not Quoted	<b>Not Quoted</b>

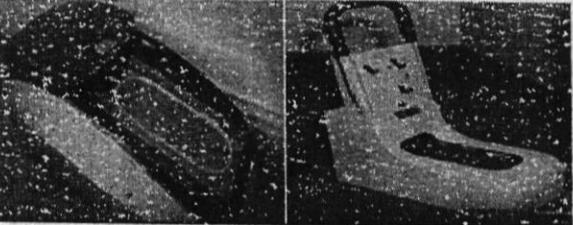


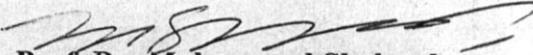
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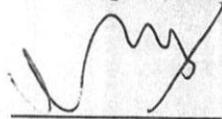
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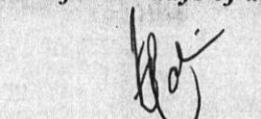
<ul style="list-style-type: none"> <li>• Film shaping time: 2-3s</li> <li>• Material of outer case: ABS</li> <li>• Dimension of machine: 80x 44.5x 33 cm, Dimension of carton: 87x50x40cm</li> <li>• Net weight: 21Kg</li> <li>• Gross weight: 27 Kg</li> </ul> 				
<p align="center"><b>Total Estimated Budget</b></p>		<p align="center">2, 000,000</p>		

  
**Prof. Dr. Muhammad Shahzad**  
Head Department of Pharmacology

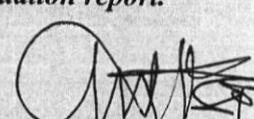
*No Complaint Shall be entertained after 07 days of display of Technical Evaluation report.*

  
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**Dr. Uruj Zehra**  
Convener

  
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**Lt.Col. ( R ). Dr. Khalid Rahim**  
Member

  
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**Dr. Allah Rakha**