

TECHNICAL EVALUATION REPORT (SUMMARY)

UHS/Bio/22/96

1. Name of Procuring Agency: University of Health Sciences Lahore
2. Method of Procurement: Single Stage... two envelopes
3. Title of Procurement: Procurement of Laboratory Research Equipment for Biochemistry 2021-2022
4. Tender Inquiry No: UHS/PUR/1409/21
5. Date & Time of Bid Closing: 16.03-2022 11:00AM
6. Date & Time of Bid Opening: 16-03-2022 11:30AM
7. Nos. of Bids Received: 12
8. Criteria for Bid Evaluation: Technical Qualification

Sr. No	Item	Specifications	New Chemical Center	The Worldwide Scientific	InfoTech Management Consultant Pvt. Ltd	IK solution	SKI Technologies	Biosphere Marketing	Pakistan Analytics supply	Scien Tec	Pak gloriuous Enterprises	H.A. Shah	Pakistan Hospital	Cross Scientific Trad
1.	Thermal cycler	Sample capacity should be of 96 x 0.2 ml tubes, 0.2 ml tube strips, or 1 x 96-well plate. Touch down PCR feature. Instant incubation capability. Temperature range: 4-100°C. Reaction volume: 1-100 uL. Gradient range of 30-100°C with differential range of 1-25°C. Ramp rates of 4°C/second. Temperature uniformity and accuracy of ±0.5°C. Calculated and block-based temperature control mode. PCR license and step based graphical programming. Minimum 5.7 VGA color touch screen. Memory of minimum 500 programs	Quoted as per BOQs Qualified	Not Quoted as per BOQs Not Qualified on the basis of ramp rate (Required Ramp rate: 4°C/sec ; quoted 2.7°C/sec)	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted as per BOQs Not Qualified on the basis of ramp rate (Required Ramp rate: 4°C/sec)	Not Quoted as per BOQs Not Qualified on the basis of ramp rate (Required Ramp rate: 4°C/sec)	Not Quoted as per BOQs Not Qualified on the basis of ramp rate (Required Ramp rate: 4°C/sec)	Not Quoted

	<p>onboard, expendable with USB flash drive. System with easy programming. System with large color touch screen. System with Intuitive interface. System with consistent results. System with Thermal gradient technology, easy optimization, easy protocol management and small space-saving footprint.</p> <p>Note: UPS must require. Reagents and Kits must be ensured and guaranteed by the supplying firm in the local market. Availability of service must require.</p> <p>Origin: Australia/USA/Europe/Japan</p>								<p>wire d Ram p rate: 4°C/ sec; quot ed 3°C/ sec)</p>	<p>wire d Ram p rate: 4°C/ sec; quot ed 1.9° C/sec)</p>	<p>d 2.7°C/ sec)</p>
2.	<p>Semi-automated Chemistry Analyzer</p> <p>Quartz-iodine lamp 12V-20W. Wavelength Range: 340-700nm. Photometric Range: 0.1 to 2.3 Absorbance. Resolution 0.001 Abs. Detector: Photodiode (320-1000 nm). Blanking: Automatic zero-setting. Assay types: Monochromatic, Bichromatic, Endpoint, Kinetic, Sample and reagent</p>	<p>Quoted as per BOQs</p>	<p>Not Quoted as per BOQs</p>	<p>Not Quoted</p>	<p>Not Quoted as per BOQs</p>	<p>Quoted as per BOQs</p>	<p>Not Quoted as per BOQs</p>	<p>Not Quoted</p>	<p>Not Quoted</p>	<p>Not Quoted</p>	<p>Not Quoted</p>

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	<p>blanking, ISE optional.</p> <p>Sample specifications: Serum, plasma, Urine, CSF, whole blood for HbA1c.</p> <p>Multiple Testing: Up to nine replicates. Means, SD and CV.</p> <p>Measurement Time: Programmable, 2 to 998 seconds for kinetic and two-point type of tests, For end point fixed at 2 seconds.</p> <p>Delay Time: Programmable, 0 to 999 seconds.</p> <p>Parameter Setting: Method name. Measurement mode.</p> <p>Wavelength 1 and 2.</p> <p>Aspiration volume.</p> <p>Measurement delay.</p> <p>Measurement time. Factor.</p> <p>Concentration standards.</p> <p>Reagent blank y/n. Sample blank y/n. Units for results.</p> <p>Levels for flagging. Curve fit y/n. Linearity check.</p> <p>Calibration: Automatic on 1 standard (linear mode). Automatic on up to 10 standards (non-linear mode).</p> <p>Quality Control: Built in QC program</p> <p>Temperature Control: By means of Peltier elements. Fixed temperature at 37°C.</p> <p>Aspirator System: Internal pump of bellows type.</p>	filter range)	source and filter range)	Filter range)					Flame	
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		driven by stepper motor. Back panel connection for waste. Aspiration volume programmable. Accessories: Computer system, Printer, UPS as per instrument's requirement Make: USA, Japan, Europe and European Union																			
3.	Autoclave	Chamber Volume: 24L-51L. Type: Tabletop/vertical. Working Temperature: 134°C, Adjustment of temp 105-134°C. Working Pressure: 0.22MPa. Heat average: $\leq \pm 1^\circ\text{C}$. Timer: 0~99min/0~99hour Power: AC220V	Quoted as per BOQs	Quoted as per BOQs	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
4.	Animal Decapitator	Application: Neuroscience. Material: Aluminium base, stainless steel blades. Animal: Small animal. Includes: 4 holes for mounting	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
5.	Open field box (Opaque walls)	Application: Behaviour and anxiety study. Opaque walls are used if assessments include novel object recognition. Easily detachable walls for easy cleaning. Grid floor insert	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted

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