

2. Method of Procurement: Single Stage two Envelopes
3. Title of Procurement: Procurement of Laboratory & General Equipment for Oral Biology & Oral Pathology Department, University of Health Sciences, Lahore
4. Tender Inquiry No: UHS/Pur/1277/21
5. Date & Time of Bid Closing: at 22-04-2022 at 12:00 PM
6. Date & Time of Bid Opening 22-04-22 at 11:30 AM
7. Nos. of Bids Received: 08
8. Criteria for Bid Evaluation: Technical Qualification

Sr #	Items	BOQs Specifications	Worldwide Scientific	Chemical House	Science Tech	RAAB	New Chemical	Pakistan Hospital (PHILCO)	Diagnostic SMS	SU Enterprises	H.A.Shah
01.	Q-PCR System with licensed software & laptop package	<p>The instrument should be compatible for 96 well block (0.2 ml), 8X12 strips format.</p> <p>The instrument should be designed to complete a 40 cycle real-time PCR reaction in under <30 minutes. Instrument can also run in standard ramping mode with standard chemistry.</p> <p>Dye compatibility should include: FAM/SYBR Green, VIC/JOE/HEX/ET, ABY/EDT/AMRA/Cy⁵, JUN, ROX/Texas Red™</p> <p>It can be a Completely open system</p> <p>Instrument can be monitored remotely via mobile appl/laptop.</p> <p>The instrument should have 4 excitation and 4 decoupled filter sets to enable collection of wavelengths during a single run for multiplexing.</p> <p>Remotely monitoring of runs, analyze sophisticated data sets in minutes, store data in a secure space, and sharing of results online, with Web Browser-based software.</p> <p>The instrument software will should allow both TaqMan® and SYBR® chemistries in the same run by collecting different filter colors for PCR versus melt curve stages.</p> <p>The block should have insulations between each segment (3 segments).</p> <p>The instrument must have a heated lid assembly that heats the top half of the sample plates and provides an effective seal to minimize reaction mixture evaporation.</p> <p>The instrument can be run in stand-alone mode, without a computer attached.</p> <p>The instrument should contains on-board storage capability with capacity of >2,000 standard absolute quantification run files and is designed for maximum run protection in case of network or power outage.</p> <p>The instrument software must provide the ability to import a standard curve from one plate for analysis of another plate of the same instrument type.</p> <p>Accessories: The instrument software must contain an optional High Resolution Melt application that allows user to specify the number of clusters/variants, save their defined controls and analysis settings Comes with latest Branded Desktop PC/laptop Country of origin/ Make: UK/USA/ EU, Japan/ Equivalent No product of made in China company is required</p>	<p>Not Qualified</p> <p>a) No high resolution melt application quoted</p> <p>b) No description of software is provided</p>	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOQs Qualified	Not Quoted	Not Quoted	Quoted as per BOQs Qualified

Signature

02	Mini Centrifuge Voltage: 110/240 V Capacity: 6 x 2 mL Max. Speed: 6,000 rpm Max. RCF: 2,000 x g Noise Level: 51-53 dB(A) Temperature Range: Ambient temperature Certifications/Compliance: CSA, CE, UL Includes: 6 x 1.5/2.0 mL tube rotor, 16 x 0.2mL tube rotor (singles or 2 x 8 strip), 6 tube adapters 0.2mL, 6 tube adapters 0.5mL, storage case for rotors and adapters, tube rack, universal power adapter 110-240V 50/60 Hz, with 4 interchangeable plug type Electrical Requirements: 110/240 V 50/60 Hz with 4 interchangeable plug adapters Refrigerated: No Dimensions (HWD): 4.1 x 5.0 x 6.0 in. (10.4 x 12.8 x 15.3 cm) Warranty: two years Unit size: each Make: UK/ USA/ EU/ Equivalent	Quoted as per BOOS Qualified	Not Quoted	Quoted as per BOOS Qualified	Not Quoted	Quoted as per BOOS Qualified	Not Quoted	Quoted as per BOOS Qualified	Quoted as per BOOS Qualified	Quoted as per BOOS Qualified
03	Micro Tip Probe for Sonic Dismembrator having tip diameter 2 mm (5/64") Technical Features Tip diameter 2 mm (5/64") Required for processing of 0.2mL to 5mL volumes They should be solid, Long and narrow tips to generate high intensity cavity for processing of small volumes Can be coupled directly to the transducer Should have option of replaceable tip Make: UK/USA/ EU, Japan, / Equivalent	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Quoted as per BOOS Qualified	Not Quoted	Quoted as per BOOS Qualified	Quoted Homogenizer with probe Qualified	Not Quoted
04	Light (binocular) Microscope Infinity/Optical System LED Light Source, AC adapter Quadruple nosepiece with inward-facing Field Stop for Koehler illumination Binocular tube FN 20, Tube Inclination 30 Degree, 360 Rotatable Eyepiece height adjustment, Interpupillary Distance Adjusting Range 48-75mm, Eye point adjustment: 370.0 - 432.9 mm Wide field eyepiece 10X, FN20 focusable Stage height movement (coarse movement stroke: 15 mm), coarse adjustment limit stopper, Torque adjustment for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 µm) Coarse and fine focusing knobs on both sides Condenser NA 1.25 Plan achromat objective 4X/0.1, Plan achromat objective 10X/0.25 Plan achromat objective 40X/0.65, (spring) Plan achromat objective 100X/1.25 (spring) Immersion oil 8cc, Dust cover, Power cord Built-in security slot allows attachment of an anti-theft cable. Additional Optional Features May come with imaging app for distance learning/digital class room Country of Manufacturer/Origin: UK/ USA/Germany/ Europe/Japan/ Equivalent No product of made in China company is required	Not Quoted	Not Quoted	Not Qualified a) No built in security slot present for anti-theft cable	Quoted as per BOOS Qualified	Not Qualified a) No letter of authorization from the company is attached	Not Quoted	Not Quoted	Quoted as per BOOS Qualified	Not Quoted

Quoted as per BOOS

07.	Air Conditioner	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
06	Universal Oven Precise Drying Unit Temperature range 5°C above ambient up to +300°C Touch Screen display natural convection adjustment of pre-heated fresh air admixture by air flap control in 10% steps for each segment individually self-diagnostics for fault analysis digital liner adjustable from 1 minute to 99 days, 23 hours Multiple Over-temperature Protection with audible and visual alarm Interior Stainless Steel & Textured Stainless Steel Casing Stainless Steel 2-point compression door lock Can be operated on at least 220volts. Capacity 32 Lit. Interior dimension can be approx.: 400 x 320 x 250mm Should have at least single stainless steel tray or more Country of make: UK/USA / Germany / Europe/Japan/Equivalent No product of made in China company is required	Not Qualified a)2 point compression door lock is not present b)Admixture of pre-heated fresh air by electronically adjustable air flap is not documented	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Qualified a)Letter of Authorization regarding the supplier company is missing	Not Quoted	Not Quoted	Not Quoted	Not Qualified a)2 point compression door lock is not present b)Admixture of pre-heated fresh air by electronically adjustable air flap is not documented	Not Quoted	Not Quoted	Not Quoted	Not Quoted
05	Mini Horizontal Agarose Gel Electrophoresis Unit Should have Color-coded and height adjustable combs to easily identify comb thickness at a glance and control well depth. Should have Colored loading strips-for easy well detection when loading. Should have Compact tank-to reduce the buffer volume required to cover the gel Should have UV-transparent running tray- to allow the user to image the gel without risk of damage due to handling. Should have Side handles-for safe and easy transportation around the laboratory. Technical Specifications: Gel Dimensions (w x l) : 6 x 7.5 cm Maximum Buffer Volume : 325 ml Maximum Power Settings : 300 V, 200 mA, 60 W Maximum Sample Capacity : 32 Maximum Running Temperature : 45°C Indoor Use : 4-40°C Humidity : Up to 80% Unit Dimensions (w x l x h) : 13 x 24 x 6.5 cm Safety Certifications : EN61010-1, CE Includes: > Buffer Chamber Assembly > Running Tray w/Silicone Gasket > Safety Lid Country of make: UK/USA / Germany / Europe/Japan/Equivalent No product of made in China company is required This should be an adaptive Multifunctional Digital PID-microprocessor Controller unit with High-Definition Color Displays Technical Features Temperature range 5°C above ambient up to +300°C Touch Screen display natural convection adjustment of pre-heated fresh air admixture by air flap control in 10% steps for each segment individually self-diagnostics for fault analysis digital liner adjustable from 1 minute to 99 days, 23 hours Multiple Over-temperature Protection with audible and visual alarm Interior Stainless Steel & Textured Stainless Steel Casing Stainless Steel 2-point compression door lock Can be operated on at least 220volts. Capacity 32 Lit. Interior dimension can be approx.: 400 x 320 x 250mm Should have at least single stainless steel tray or more Country of make: UK/USA / Germany / Europe/Japan/Equivalent No product of made in China company is required	Not Qualified a) Electric supply was not requested	Quoted as per BOOs Qualified	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

All technical bid was evaluated by EndUsers against the laid specifications and comparative statement (summary/detail) is being submitted to Technical committee for further necessary action.

HOD Oral Pathology
No Complaint Shall be entertained after 03 days of display of Technical Evaluation report.
HOD Oral Biology
on behalf of HOD Pathology

[Signature]
Dr. Urvi Zehra
 Convener

[Signature]
Lt.Col. (R), Dr. Khalid Rahim
 Member

[Signature]
Dr. Akhtar Rakhia
 Member