

## TECHNICAL EVALUATION REPORT (SUMMARY)

Name of Procuring Agency: University of Health Sciences, Lahore  
 Method of Procurement: Single Stage Two Envelops  
 Title of Procurement: Laboratory Research Chemicals/Consumables for HEC Funded Research Project RRG 211 of Immunology Department UHS, Lahore  
 Tender Inquiry No: UHS/Pur/1294/21  
 Date & Time of Bid Closing: 26-10-2021 11:00AM  
 Date & Time of Bid Opening: 26-10-2021 11:30AM  
 Nos. of Bids Received: 09  
 Criteria for Bid Evaluation: Technical Qualification

	Name of Item	Specification	Qty	Research Time Scientific	Pakistan Hospital	Molecular Biology Products Pakistan	Apex International	The World Wide	Bio Sphere Marketing	MPC	Musaji Adam & Sons	Med Lab Services
1.	cDNA synthesis kit	Full Length first strand cDNA -Include all reagents for reaction except RNA Thermo scientific/equivalent	5 kits 100 rxn/kit	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
2.	Sybr Green Master mixture	Gene expression Hot start Roxas internal dye Thermo scientific/equivalent	5 kits 200 rxn/kit	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
3.	Ethanol	HPLC grade 99% 2.5 litter packing imported Molecular grade Roth/Reidel / Equivalent	3 bottle	Qualified	Not Quoted	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted
4.	Sterillium	Hand disinfectant	3 X 500 ml	Not Quoted	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
5.	COVID-19 RT qPCR Rapid Detection Kit	ORF1ab and N genes as recommended by WHO ABM or equivalent	3 kits (100 reaction/kit)	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted	Qualified	Qualified	Not Quoted	Not Quoted
6.	Viral RNA Mini Kit	Rapid isolation of high-quality, ready-to-use viral RNA Qiagen/equivalent	10 kits (100 reaction/kit)	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Qualified
7.	Human IFN-β (Interferon beta) ELISA Kit	Sigma/thermo scientific or equivalent	3 kits (96 reactions/kit)	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Qualified	Qualified

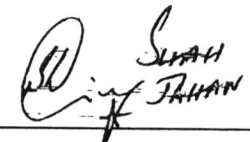
3.	Human IL-10(Interleukin 10) ELISA Kit	Sigma/thermo scientific or equivalent	3 kits (96 reactions/kit)	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Qualified	Qualified
9.	Human anti-SARS-CoV2(N) IgG ELISA Kit	Sigma/thermo scientific or equivalent	3 kits (96 reactions/kit)	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Qualified	Qualified
10.	Human anti-SARS-CoV2(N) IgM ELISA Kit	Sigma/thermo scientific or equivalent	3 kits (96 reactions/kit)	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Qualified	Qualified
11.	Human IFN $\gamma$ ELISA Kit	Sigma/thermo scientific or equivalent	3 kits (96 reactions/kit)	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Qualified	Qualified
12.	SARS-CoV-2 (COVID-19) IgG ELISA	qualitative determination of IgG class antibodies against SARS-CoV-2 in human serum or plasma NovaLisa or equivalent	3 kits (96 reactions/kit)	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Qualified
13.	SARS-CoV-2 (COVID-19) IgM ELISA	qualitative determination of IgM class antibodies against SARS-CoV-2 in human serum or plasma NovaLisa or equivalent	3 kits (96 reactions/kit)	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Qualified
14.	SARS-CoV-2 (COVID-19) IgA ELISA	qualitative determination of IgA class antibodies against SARS-CoV-2 in human serum or plasma NovaLisa or equivalent	3 kits (96 reactions/kit)	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Qualified
15.	Human Th1/Th2 Cytokine Kit II	Flow Cytometer based assay kit required for the quantification of following Cytokines Human IL-2, Human IL-4, Human IL-6, Human IFN- $\alpha$ Human IFN $\gamma$ , Human IL-1 $\beta$ , Human Tumor Necrosis Factor $\alpha$ BD or Equivalent	For 250 samples	Not Quoted	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
16.	Human blood based DNA Extraction/ purification Kit	DNA extraction and purification from whole blood Qiagen or equivalent	4kits (100 reactions/kit)	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Qualified

17.	RNA isolation kit from whole blood/PBMC	RNA Isolation kit from whole blood / PBMC cells QIAGEN/Ambion/equivalent	4 kits (100 reactions/kit)	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Qualified
18.	Chloroform	HPLC/Molecular Biology Grade imported Sigma Aldrich / Merck/equivalent	2.5 liter	Qualified	Not Quoted	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Qualified	Not Quoted
19.	PCR Master Mix (2X) 200 react.	For Gene Amplifications by PCR Thermo Scientific/ equivalent	4 pack	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted
20.	Water	Real Time PCR Grade, sterile	100 ml	Qualified	Qualified	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted
21.	Nitrile Gloves	Medium Sigma Aldrich / Merck/equivalent	10 Box	Qualified	Not Quoted	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted
22.	TRI Reagent	Molecular Biology grade Sigma Aldrich / Equivalent	500 ML	Qualified	Qualified	Not Quoted	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
23.	Iso Propanol	Imported HPLC grade/Molecular Biology 99% purity (Agilent/Thermo scientific / equivalent)	2.5 L	Qualified	Not Quoted	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Qualified	Not Quoted
24.	Micro pipette filter tips 1-10 ul	Sterile, Nulease free, filtered Packed in boxes	30 pks each	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Qualified	Not Quoted
25.	Micro pipette filter tips 10-100 ul,	Sterile, Nulease free, filtered Packed in boxes	30 pks each	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted
26.	Micro pipette filter tips 100-1000 ul,	Sterile, Nulease free, filtered Packed in boxes	30 pks each	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Qualified	Not Quoted
27.	dNTPs mix 10mM solution	For cDNA synthesis For PCR amplification Thermo/Invitrogen/equi	2X	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
28.	Random Hexamer primers	Random Hexamer Primers for cDNA synthesis by reverse transcription methodology	5x (100ul)	Qualified	Qualified	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted

29.	DNA Sequencing	Sanger Sequencing	100 reactions	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted
30.	M-MLV Reverse Transcriptase	For reverse transcription of RNA into cDNA Invitrogen/Thermo scientific	(5vials)200 U/μl	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
31.	Primer Synthesis	25 μl scale Eurofins or equivalent	Total 500 bp	Qualified	Qualified	Qualified	Not Quoted	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
32.	RBC Lysis Solution	Promega (DNAase/RNase free)/Sterile 200ml	1 pack	Not Quoted	Qualified	Not Quoted	Qualified	Qualified	Not Quoted	Qualified	Not Quoted	Not Quoted
33.	Autoclavable Bag (810 X 610mm)	Biohazard Bag Auto cleavable Thermo scientific/equivalent	1 pack	Not Quoted	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
34.	RNase Inhibitors/RNase Out	40 U/ul (Retain Activity in Multiple Freeze thaw (Thermo scientific)	10 pack	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
35.	SuperScript III Reverse Transcriptase	Catalog number: 18080085 Enzyme	4pack	Not Quoted	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
36.	Maxima H Minus Reverse Transcriptase	(200 U/μL) Cat#EP0753	4 Pack	Not Quoted	Qualified	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted
37.	Ficoll® Paque Plus	GE17-1440-02 (Cell Separation Density Gradient Medium)	1 pack	Not Quoted	Qualified	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
38.	PCR plates for real time PCR reaction	Transparent, DNase and RNase Free	2 Pack	Qualified	Qualified	Qualified	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted

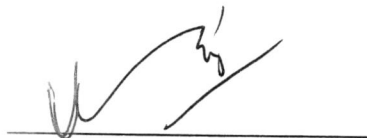
39.	Nitrile gloves powder free Medium	powder free Medium	powder free Medium	3 Case	Qualified	Not Quoted	Not Quoted	Qualified	Qualified	Qualified	Not Quoted	Not Quoted	Not Quoted
40.	BSL 2 safety room development	BSL 2 cabinet with installation, pass box double door entry glass/aluminum partition and CCtv camera with monitoring device.		Not to be procured in this tender.									

All technical bids were evaluated against the laid specifications by Immunology department and technical statement (summary / details) is being forwarded to Technical Committee for necessary action.



**Associate Prof. Dr. Shah Jahan**  
 Head of Immunology Department  
 University of Health Sciences, Lahore

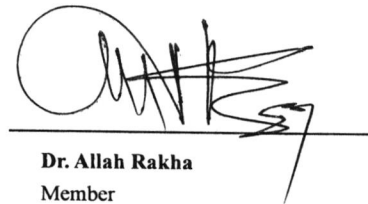
No complaint shall be entertained after 07 days of display of Technical Evaluation Report.



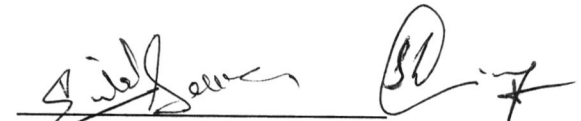
**Dr. Uruj Zehra**  
 Convener



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



**Dr. Allah Rakha**  
 Member



**Rep. of Immunology Dept.**  
 Member