TENDER ENQUIRY DOCUMENT

Tender for the supply of various High end Laboratory equipment on reagent rental scheme.

Tender Ref No:HLL/BME/HCS-RENTAL-02/2015-16

BY

HLL LIFECARE LIMITED

(A GOVT. OF INDIA ENTERPRISE)
TENRA-22,Palathinkara
TC 24/606,Thycaud
Thiruvananthapuram-695014
Kerala.

Tender Publish date: 16.12.2015

Pre bid meeting date: 22.12.2015, 11.00 am

Last date of Submission of Tender: 06.01.2016, 3.00pm

Opening of technical bid: 06.01.2016, 3.30pm

Invitation of tender for the for the supply of various High end Laboratory equipment on reagent rental scheme, to HLL's Path lab centres – "HINDLABS" in various Government, non-Government institutions and stand-alone centers across India.

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Sub: Invitation of tender for the for the supply of various High end Laboratory equipment on reagent rental scheme, to HLL's Path lab centres – "HINDLABS" in various Government, non-Government institutions and stand-alone centers across India.

It has been decided to invite tender for the supply of High end Laboratory equipment's on Reagent Rental scheme to HLL's Path lab centres – "HINDLABS" in various Government, non-Government institutions and standalone centers across India.

I. Background

HLL Lifecare Limited (HLL) is a Public Sector Enterprise, under the Ministry of Health & Family Welfare, Government of India. Started in 1966 as a single product company, over the years HLL has grown into a multi-product, multi-service, multi-location healthcare delivery company with pan-India operations and presence in more than 115 countries. Today, HLL has emerged as HLL Group with seven subsidiary and associate organisations.

HLL Health Care Services Division is a major service initiative of HLL to provide quality healthcare services in affordable rates for the benefit of common public. Under the brand name "HINDLABS", the Health Care Services Division of HLL offers quality Diagnostic Services such as Medical Laboratory Services and Medical Imaging Services in affordable rates.

II. Objective of the Tender

HLL is setting up 'HINDLABS' in various locations across India for providing high quality diagnostic service at affordable rate. The centre will provide quality Diagnostic Services - in Biochemistry, Serology, Pathology ,Microbiology etc in the various Govt.& Non-Govt. institutions at an economical rate. The centre will mainly cater to the requirements of all departments of hospital even for super specialty. The centre shall procure products of various standard manufacturers/ suppliers who can provide high end lab equipment on Reagent Rental scheme, Quality Laboratory reagents and consumables at economical rate. The success of this noble venture depends on the co-operation of the manufacturer/supplier. We expect the companies to give maximum discount in their offer as a special case as HLL intends to pass on maximum benefit to the patient.

In order to select the prospective manufacturers / suppliers, we intend to pre - qualify / register them. Hence Tender is invited from the reputed manufacturers/ suppliers of the High end Laboratory equipment's on Reagent Rental scheme to participate in this venture.

The successful vendor shall be entered an MoU with HLL for the placement of the equipment at the HLL's Path labs based on the accepted rates for a period of 5 Years.

III. Mode of submission of Expression of Interest.

Documents in electronic form will not be accepted. Tender document should be submitted in two separate sealed envelopes superscribed “Technical Bid” and “Price Bid”. These two covers shall be put in one single sealed cover superscribed “Tender for Laboratory Equipment on reagent rental scheme”.

Quotation sealed and super scribed with tender number and address should be delivered to the following address.

The Chief Biomedical Consultant
HLL Lifecare Limited.
TENRA-22,Palathinkara
TC 24/606,Thycaud
Thiruvanthapuram-695014

The sealed quotation should reach the above address latest by 3:00 pm on 06th January 2016. The quotations will be opened on the same day in the presence of Bidders of authorized representatives

IV. Technical Specification of the Equipment and the price bid document.

1. The prospective vendors shall quote the equipment that should meet the minimum required Technical Specifications as mentioned in the Annexure I. All supporting documents for claiming compliance with the technical specification shall be attached along with the technical bid.-Annexure I
2. **The price offered for each Test parameter shall be at the CPRT(Cost per reportable test),** which shall cover all the necessary reagents, calibrators, cleaning and washing solutions and the necessary cuvettes and other consumables as per the format in Annexure II .
3. Tax part shall be mentioned clearly in the Price schedule.(Annexure II)
4. Price bid of technically qualified suppliers only will be opened and unopened price bids will be returned to the party.

V. Qualification Criteria

01. The tenderer must be a manufacturer or Authorized agent. Manufacturer may authorise their agent as per proforma of Manufacturer authorization form to quote and enter into a contractual obligation.

02. The Manufacturer should have supplied and installed in last **Five** years from the date of Tender Opening, atleast 100% of the quoted quantity of the similar equipment meeting major specification parameters which is functioning satisfactorily.

VI. Documents to be submitted for qualification of supplier

The manufactures/ suppliers shall be qualified on the basis of the credentials submitted.

1. Request for Registration.

2. Manufacturing License / importing license / authorization letter from the manufacturer or importer for the dealers and distributors. *
3. Drug License*(Where ever applicable)
4. Sales tax Registration*
5. Product /System Quality certifications such as FDA, CE, ISO, GMP*etc
6. Non Conviction Certificate for the last three years
7. Recent empanelment certificate from any government or private agency (if any) or documents to prove the supplies made to government and reputed private hospitals/institutes/retailers.
8. Self-attestation certificate for proving experience in manufacturing/ supplying the items listed in the Tender during the last 3 years.
9. Equipment specification and brochures as per Annexure I
(*Attested copies of the certificate should be submitted)

VII. RIGHTS OF HLL

a. HLL reserves the right to accept / reject the applications / offers received without assigning any reasons whatsoever, or may call for any additional information / clarification, if so required.
b. HLL reserves the right to register and place orders on more than one supplier.
c. HLL reserves the right to extend the last date of submission of the Tender.
d.The successful vendor shall be entered an MoU with HLL for the placement of the equipment at the HLL's Path labs based on the accepted rates for a period of 5 Years.

VIII. SPECIALCONDITIONS

a) Analyzer has to be supplied by manufacturer or its authorised suppliers.
b) The bidder will be responsible for installation, testing and commissioning of the equipment. The bidder has to provide training to the technicians/doctors/staffs till they familiarized with the equipment.

c) The Bidder shall maintain the Analyser for a period of 5 Years.; any cost of maintenance within the stipulated time will be borne by the successful Bidder. Periodic Preventive Maintenance should be ensured by the successful Bidder. The supplier has to maintain an uptime of 98 % for the equipment. Complaints should be attended properly, maximum within 8 hrs.

c) Spare parts replacement and, software update should be done free of cost during the contract period.

d)This tender is used to empanel the bidders for Hindlabs future projects Also.The selected L1 bidder will be considered for hindlabs future projects on mutually agreeable situations.

e) Equipment should be brand new; refurbished equipment are not acceptable.

IX.Price

Prices quoted should be **'Firm & final'** for free delivery at the sites, mentioning the quantity, unit price, total amount and Applicable taxes etc clearly as per the price schedule enclosed in Annexure II.
The prices quoted shall be valid for a period of 5 years from the date of signing of MOU.
The bids will be evaluated by taking the total amount quoted for all the items in the bid.

X. Delivery

The items should be delivered within **20 days** from the date of placement of order. All/Taxes/Duties/other Charges payable on the sales/transport etc. within and/or outside the state

shall be payable by the supplier. All the goods ordered shall be delivered & installed within 2 weeks from the date of issuing purchase order. All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. No extra charge for packing, forwarding and insurance etc. will be paid on the rate quoted

XI. COURT JURISDICTION

This shall be subject to the exclusive jurisdiction of courts at Trivandrum, Kerala.

XII. MISCELLANEOUS

In case any further clarification or information is required, the following officer may be contacted:

The Chief Biomedical Consultant
HLL Lifecare Limited.
TENRA-22,Palathinkara
TC 24/606,Thycaud
Thiruvanthapuram-695014
Telephone:0471-2330447
ctcbme@lifecarehll.com

LIST OF EQUIPMENT -RENTAL			
SN	**Name of the Item**	**QTY**	**Hindlab Locations**
1	Blood Culture system	2	Trivandrum, Raipur AIIMS
2	CLIA reader	1	Trivandrum
3	ESR Analyzer	3	Trivandrum,Kozhikode and Mumbai
4	Fully automatic biochemistry analyzer	5	Trivandrum,Kozhikode,AIIMS Raipur,Odisha and Mumbai
5	Fully Automatic five part Hematology Analyzer	5	Trivandrum,Kozhikode,AIIMS Raipur, Odisha and Mumbai
6	HbAIC Analyzer	5	Trivandrum,Kozhikode,AIIMS Raipur, Odisha and Mumbai
7	ISE analyzer	1	Trivandrum
8	Three Part Hematology Analyzer	1	Trivandrum
9	Urine Analyzer	3	Trivandrum, Kozhikode and AIIMS Raipur

ANNEXURE-I

Technical Specifications of Equipment's

SPECIFICATION OF EQUIPMENT -RENTAL			
Sl. No	**Name of Equipment & Technical Specification**	Whether the product meets the technical spec (Yes/No)	Remarks & supporting data
1	**AUTOMATED BLOOD CULTURE SYSTEM**		
1	**Description of Function**		
1.1	The blood culture system is a fully automated microbiology growth and detection system designed to detect microbial growth from blood specimens.		
2	**Technical Specification**		
2.1	Fully automated, technology with ability to take patient I.D. by barcode.		
2.2	Should process blood samples, other sterile body fluids both aerobic and anaerobic systems.		
2.3	Sample capacity should be more than 200 samples.		
2.4	Should confirm to detecting a wide range of bacteria that preferably includes mycobacterium TB and fungi with reasonable turnaround time.		
2.5	Should have capacity to include pediatric and adult samples.		
2.6	Media in bottles should have agents for neutralization of antibiotics.		
2.7	Should have continuous agitation system to allow better organism growth		
2.8	Should analyze each sample separately as per ID, time of entry, incubation period, growth etc.		
2.9	Should have built-in calibration check and alarms/ reminders for the same.		
2. 10	Decontamination facility should be available for the system as well as individual rack		

2.11	System should have high sensitivity & specificity with continuous monitoring of all samples.		
3	**Accessories, consumables and miscellaneous:**		
3.1	Price of all available blood culture bottles and consumables should be clearly specified in the price bid.		
3.2	All media and consumables for setting up and standardization should be provided free of cost.		
3.3	Should have minimum 3 days stand-alone data storage capability in case of system malfunction.		
3.4	Additional identification and sensitivity (with wide range of antibiotics) to be provided with the equipment.		
3.5	Should have all the accessories required for the functioning of the equipment.		
3.6	Suitable UPS should be provided with the equipment.		
4	**Standards, Safety and Training**		
4.1	Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.		
4.2	The quoted model should have FDA/CE certificate and copy of the same should be enclosed along with the technical bid.		
2	**CLIA ANALYSER**		
1	Benchtop CLIA analyzer for the analysis of Hormones, Cancer & Cardiac Markers, Steroids, Drugs, Infectious Diseases, other Biochemical Markers		
2	Should be a microprocessor contolled device with digital display.		
3	DATA STORAGE: 100 patient samples.		
4	INTER FACE: Unidirectional and Bidirectional communication possible.		
5	SOFTWARE: Window based software or Compatible.		
6	Should be able to interface with PC for downloading results and QC curves.		
7	REAGENTS: Manufacturing Company if have their own system reagents, controls and calibrators and the price list for the same should be enclosed with the price bid		
8	The equipment to be supplied should have FDA and CE certification		
3	**ESR Analyzer**		
1	Should be based on Westergreen Principle and conforming to the recommendations of International Council for Standardization in Haematology (ICSH).		

2	Should be able to accept EDTA blood samples in vacutainer tubes with continuous loading possibilities.		
3	System should offer very low running cost employing 80-100 or more precision bore Westergren glass tubes, with automatic wash and reuse.		
4	Should have facility to accept the sample rack of common blood cell counter in a universal rack adapter for walk away operation.		
5	System should be able to have one to five racks at one location, each rack with a capacity to hold more than 10 samples on an average.		
6	Machine should be equipped with autoloader and open access to samples all the time when space is available, with positive sample identification bar code reader.		
7	Accurate and automatic on-board dilution with citrate solution and automatic temperaturecorrection to specified temperature of 18°-20°C should be available		
8	The tubes should be automatically cleaned on board,		
9	Should have the ability to detect even haziness in samples and measure the position of themeniscus accurately and consistently for precise results.		
10	System should have a minimum throughput of 50-60 samples in per hour		
11	Equipment will be supplied with suitable on-line UPS with one hr backup.		
4	**RANDOM ACCESS SMALL THROUGHPUT FULLY AUTOMATED CLINICAL CHEMISTRY ANALYSER**		
1	SYSTEM: Floor/Bench top Model, Discrete, Multi-channel, Random Access, With automatic rerun, automatic reflex testing and capable of performing tests like Enzymes, substrates, Serum Proteins, Electrolytes, TDM assays and Immunoturbidimetric etc.		
2	THROUGH PUT: About 400 Photometric tests/Hour and about 600 Tests /Hour with ISE.		
3	ASSAY MODES: End point, Rate, fixed point and ISE.		
4	Analytical Methods: Colorimetry, turbidometry, latex agglutination, homogeneous, ISE.		
5	SAMPLE LOADING: Minimum of 50 sample positions with continuous Loading. Bar code reading facility for positive sample identification, real time test requisition downloading from host should be possible.		
6	Cooled compartment for Standards and Controls.		
7	SAMPLE CUPS: Primary and secondary tubes and paediatric cups.		
8	SAMPLE TYPES: Plasma, Urine, Serum,CSF etc.		

9	STAT FACILITY: Facility for continuous loading of stat samples without interrupting the routine run. Minimum 20 STAT sample positions for very urgent samples.		
10	SAMPLE VOLUME: 2 to 30 micro litres in 1.0 micro litre increment		
11	SAMPLE PROBE: Probe should have liquid level sensor .Sample clot detection and crash prevention facility should be available.		
12	REAGENT DISK: Refrigerated reagent disk with minimum 50 positions.		
13	ON-BOARD PARAMETERS TESTS: Minimum 50 on-board parameters tests.		
14	REACTION VOLUME: Should be from 150 ul to 300ul.		
15	REAGENT PROBE: Probe with liquid level sensors and washing facility. Probe crash detection should be available.		
16	STIRRER: 2 or more on board variable speed stirrers should be available		
17	CUVETTES: Must have permanent hard glass. It should have the facility to change individual cuvettes.		
18	CUVETTE WASHING: Automatic on-board washing.		
19	PHOTOMETER: Wavelength ranging from 340 - 750 nm		
20	LAMP SOURCE: Halogen / Xenon Lamp/LED.		
21	QUALITY CONTROL: Real Time, Individual and cumulative quality control. Automatic QC programming required.		
22	Water Plant: Compatible RO/water purification plant to be supplied .Water plant should be internationally reputed make; Millipore or Equivalent.		
23	SOFTWARE: Window based software or Compatible.		
24	DATA STORAGE: 50000 patient samples.		
25	INTER FACE: Unidirectional and Bidirectional communication possible.		
26	The equipment to be supplied should have FDA and CE certification		
5	**Microprocessor based Fully Automatic Cell Counter (Five Part Differential Haematology Analyzer)**		
1	Automated hematology analyzer should include 24 parameters including histogram for RBC, WBC and platelet.		
2	Should have impedance principle for counting and photometer for hemoglobin.		
3	It should read at least 60 samples per hour or more.		
4	Should have dual channel measurement.		
5	Double dilution chamber		
6	Sample volume less than 200 micro litres in whole blood and pre – dilute mode.		

7	It should have various types of discrete mode and real time random access analysis to save reagent consumption and analysis time.		
8	Sampling needle should have automatic wash from inside and outside.		
9	LCD / LED Monitor with graphical user interface (GUI) for easy operation.		
10	Large illuminated colored LEDor LCD should display the result of all parameters and histogram together.		
11	Should have sample manual and capillary mode.		
12	Should have capacity to store at least 20000 numeric patient results and 5000 graphics.		
13	Should have inbuilt / External graphic printer.		
14	Should have RS232 serial /parallel por/USB port can be connected with LAN and laser printer.		
15	Should have a membrane keyboard for routine operations and maintenance with option to attach external key board for patient demographic entry at instrument operation.		
16	Should have three dimensional technology or Flow cytometry for differential analysis to maximize resolution, specificity and efficiency.		
17	Should have extended analysis time for cytopenic sample. .		
18	Should be able to integrate with optional automated slide maker and stainer.		
19	Should have zero routine maintenance with automatic electronic aperture cleaning and back flush after each sample.		
20	Instrument should accept all types of vacutainer tubes.		
21	The instrument should have option for auto sampler, bar code reader.		
22	Reagent cost per cycle including start up and shutdown if 200 & 500 samples are processed at a time should be submitted separately in the financial bid.		
23	There should be automatic storage of calibration data and extensive quality control programme with LJ plot for at least 8 control lots and at least 25 runs per lot.		
24	Basic common necessities:		
25	Input Voltage 230 volts 50 Hz as per Indian standard.		
26	UPS preferably sine wave based with maintenance free batteries with duration two hours.		
6	**HBA1C ANALYZER**		
1	Automated, Integrated system, dedicated to HbA1c, Thalassaemia and hemoglobinopathy testing and screening based on HPLC technology.		

2	The system should be able to screen and quantitate different variant haemoglobin and HbA1C.detect the most commonly occurring abnormal hemoglobins like Hb S, Hb D, Hb E, Hb C, Hb Q-India and other rare abnormal hemoglobins.		
3	Complete ready to use kit should be provided with Buffers in transparent plastic tanks to view the level of buffers; columns, primers, calibrators & sample vials.		
4	It should have a faster throughput.		
5	The system should have optional feature to load atleast 50 samples simultaneously with continuous loading facility.		
6	The system should have in-kit external standards for instrument calibration ensuring accurate quantization of results.		
7	The system should have a bi-directional LIS interface capability.		
8	The system should have a feature sample position identification to avoid error in case of bad/fault barcode reading.		
9	The system should have a visible alarm system for low buffer reservoirs, low level value for cartridge injections and overflow for the waste tank, as well as built in alarms for calibration failure.		
10	The system should be capable of positive sample identification using a Barcode reader.		
11	The system should have the facility of primary tube sampling and direct dilution of the samples without manual intervention.		
12	It should have an inbuilt system check facility which checks that all the system parameters (eg, cartridge, buffer, reagent, waste etc) are ready before the sample analysis.		
13	The system should preferably have a independent mode to perform either HbA1c or HbA2/Hb, F/HbA1c without changing any reagents or columns.		
14	The system should be able to detect correct A1c values in presence of abnormal hemoglobin variants like HbD, HbE, HbS & HbC		
15	The System should be NGSP (National Glycohemoglobin Standardisation Program) Certified and traceable to IFCC reference method.		
16	It should be able to print a hard copy report giving identification and information on the subtype and quantity of haemoglobins detected. It should have the facility to view current and stored chromatograms & should enable storage of chromatograms.		
17	The company should be able to provide normal and abnormal controls for Hb A2, Hb F and Hb S and provide quality control program to help compare results with similar users worldwide.		
18	The company should have external quality assurance service (EQAS) for haemoglobin variants.		

19	The company should have minimum of 50 installations in India		
20	The system should have software for real time viewing of the analysis of the sample.		
21	The System should be both CE & FDA approved.		
22	The company should have offline library of chromatograms for result interpretation		
23	The company should have optional feature of capillary collection kit for remote sample collection with sample stability at 2-8 °C for 14 days.		
24	Compatible UPS.		
25	Computer with printer.		
26	Appropriate software for data analysis.		
7	**ISE ANALYZER**		
1	The Analyser should have option to measure Blood/Serum/Plasma/Urine		
2	The Analyser should be able to measure Na, K, Cl and Expandable to Ca and Li.		
3	Should have Integrated Pack to avoid Wastage Handling.		
4	Should have more than 800 Samples results Storage or more		
5	Sample volume should be less Than 120 ul.		
6	Should have economy mode to save Reagents Consumption		
7	. Should have In-Built Thermal Printer		
8	Should have option to feed Patient Name and Patient ID.		
9	Should have Barcode Scanner (Optional)		
10	Suitable UPS with maintenance free batteries of minimum one hour back up should be supplied with the system.		
11	Should be FDA or CE or BIS approved product		
8	**FULLY AUTOMATED CELL COUNTER (THREE PART DIFFERENTIAL HAEMATOLOGY ANALIZER**		
1	Should be fully automated hematology analyzer providing 18 parameters , including three part differential		
2	The system should give the Differential count as Lymphocytes, Mid population & Neutrophils/Granulocytes While Mid population should include Eosinophils, Basophils and Monocytes.		
3	The system should have large LCD displays to review all the results alongwith three histograms of RBC,WBC and PLT on the screen		

4	System should be capable of processing atleast 50 samples/hr		
5	The system should have been built-in-printer or should support an external printer.		
6	The system should have automatic floating threshold for correct separation of WBCs,RBCs and platelets during over lap of microcytosis/large platelets.		
7	The system should use cyanide free reagents		
8	The system should have an option to print the results with histograms and also the option to print basic parameters like RBC,WBC,HBG,MCH,MCMC,HCT,MCV and platelet		
9	System should be compatible with LIS module		
10	System should have on board memory of at least 100 sample results.		
11	Should have local service engineer stationed for emergency technical support		
12	The equipment should be US FDA/CE approved.		
13	Original literature of the equipment should be attached		
14	Should supply a suitable UPS with half an hour power back.		
15	Should work on 230 V/50 HZ.		
9	**URINE ANALYZER**		
1	Should be a strip based system.		
2	Should be possible to analyze Glucose,protein,pH, Leucocytes,Nitrite,Ketones,Bilirubin,Urobilinogen,Blood,SG		
3	Sample : Uncentrifused Fresh Urine		
4	Analysis time – less than1 min		
5	Sample throughput – approx. 60test strips/hours (normal Mode)		
6	Calibration through dry strips for better results .		
7	Totally Maintenance Free System		
8	Light Source - LED		
9	Wavelenght measurements - 470nm,555nm, 620 nm		
10	Data display on Touch screen monitor		
11	Data printout on fast low noise thermal printer		
12	Memory for 1000 patient results with time and date,3×100 Control		
13	Simple Touch Screen operation		
14	Flagging of abnormal results		
15	Interfaces - 1 x RS 232		
16	US FDA/CE certified.		

T

he following details regarding each equipment provided separately

Model No:

Manufacturer address:

Product Description:

I agree that the quoted product meets the mentioned technical specification and have attached the relevant documentation proof.

Signature:

Date:

ANNEXURE II

PRICE QUOTE

Item Sl. No	Description Of Item – Test Parameter Name	All inclusive Cost Per Reportable test- CPRT (Inclusive of all consumables, reagents, calibrators , Cleaning & washing solutions etc) (In Indian Rupees)	Tax	Pack Size	Total amount

Signature:

Date:

Annexure:III

EXPECTED WORKLOAD-PER DAY							
S.No	**Test Parameter**	**HINDLAB LOCATIONS**					
		Trivandrum	**AIIMS Raipur**	**Calicut**	**Mumbai**	**Delhi**	**Odisha**
1	Albumin	1000	800	600	800	800	700
2	Amylase	250	30	200	200	200	150
3	ALP	1000	800	800	1000	1000	800
4	SGPT	1000	800	800	1000	1000	800
5	SGOT	1000	800	800	1000	1000	800
6	Bil T	1000	800	800	1000	1000	800
7	Bil D	1000	800	800	1000	1000	800
8	Calcium	650	600	500	600	600	500
9	Creatinine	1000	1000	800	1000	1000	1000
10	CK NAC	500	50	400	500	500	400
11	CK MB	500	50	400	500	400	400
12	Cholesterol	800	500	650	800	800	800
13	HDL	700	500	1000	700	700	550
14	LDL	700	500	1000	700	700	500
15	Chloride	700	600	350	600	600	500
16	Alpha glutamyl transferase	700	700	150	700	700	700

17	Glucose	1500	2500	1200	1500	1500	1200
18	Magnisium	700	30	600	500	500	500
19	Phosphorus	700	200	600	700	700	650
20	Total protien	1300	700	1040	1200	1200	1000
21	Microprotien	1000	25	100	1000	1000	750
22	Triglyseride	1300	800	1040	1000	1000	750
23	Uricacid	1300	1000	1040	1000	1000	750
24	urea	1000	850	800	1000	1000	750
25	ASO	520	10	416	500	500	500
26	APO A1	390	10	80	100	100	80
27	APO B	390	10	80	100	100	80
28	CRP	650	500	520	500	500	500
29	Micro Albumin	520	20	416	500	500	500
30	RF	520	400	416	500	500	500
31	Lipoprotien A	30	5	25	25	25	25
32	CRP Ultra	100	5	100	100	100	100
33	Lipase	300	50	300	300	300	250
34	Electrolytes	700	700	700	750	750	750
	Haematology						
35	CBC (5 part)	1200	2000	600	750	750	750
36	BRE (3 part)	780	250	1560	750	750	750
37	ESR	1000	900	800	900	900	800
	Diabetic						
38	HBA1C	650	320	520	500	500	400
	Microbiology						

39	Blood culture	200	200	20	200	200	200
	Clinical Pathology						