

Letter No : 313

Dated : 21/12/2016

From,

Prof & HOD
Department of Biochemistry,
RIMS, Ranchi.

To,

The Director,
RIMS, Ranchi.

Subject : Requirement of an Auto analyzer for Biochemical investigations.


Sir,

In response to Letter No : 13277, Dated : 06-12-2016 , I have to say that we require an upgraded version of Auto analyzer for Biochemical investigations.

Specification for Auto analyzer is attached with this letter.

Thanking You,

Yours faithfully,


21-12-16
Prof. & HOD.
Prof. & Head of Biochemistry Dept.
Department of Biochemistry, Medical Sciences
Rajendra Prasad Institute of Medical Sciences
Rims, Ranchi RANCHI

SPECIFICATIONS FOR AUTOANALYSER

1. MUST BE A FLOOR MODEL, OPEN REAGENTS SYSTEM, DISCRETE, PATIENT ORIENTED SYSTEM FOR BIOCHEMICAL INVESTIGATION, ENZYMES, SUBSTRATES, ELECTROLYTES, IMMUNOTURBIDIMETRIC TESTS, TDM'S & DAU'S.
2. MUST HAVE A MINIMUM THROUGHPUT OF AT LEAST 800 PHOTOMETRIC TESTS PER HOUR, USING UPTO TWO STEP REAGENTS & 1200 TEST/HR WITH ISE..
3. ANY ORDINARY COMPUTER, (COMMERCIALY AVAILABLE IN THE LOCAL MARKET) CONFIRMING TO THE ABOVE SPECIFICATIONS SHOULD BE CAPABLE OF WORKING AS A CONTROL UNIT: SO AS TO AVOID DEPENDENCE ON SPARES/CONSUMABLES OF PROPRIETARY NATURE & OF IMPORTED ORIGIN.
4. MORE THAN 86 TEST PROGRAMMES IN, MEMORY.
5. TYPES OF ASSAYS POSSIBLE: COLORIMETRIC, TURBIDIMETRY, LATEX AGGLUTINATION, HOMOGENEOUS IMMUNOASSAYS, ISE.
6. SHOULD PERMIT ON BOARD PLACEMENT OF 45 OR MORE REAGENTS/TESTS AT ONE TIME. ALL THE REAGENT POSITIONS SHOULD BE REFRIGERATED.
7. PHOTOMETRIC RANGE 0-3.0 OD.
8. MINIMUM REACTION VOLUME NOT MORE THAN 120 UL.
9. SAMPLE POSITION MUST BE 140 OR MORE WITH CONVENIENT LOADING FACILITY.
10. PHOTOMETRIC SYSTEM WITH AT LEAST 12 WAVELENGTHS FROM 340 - 800 nm.
11. MINIMUM SAMPLE VOLUME SHOULD BE 1.6 UL.
12. SYSTEM SHOULD HAVE REMOTE MAINTENANCE (OPTIONAL) AND DATA MANAGEMENT CAPACITY THROUGH MODEM CONNECTION.
13. THE SYSTEM SHOULD HAVE AUTOMATIC DIGITAL LIQUID LEVEL DETECTION CLOT DETECTION AND COLLISION PROTECTION.
14. THE SYSTEM SHOULD HAVE 3 STAND-ALONE PROBES, ONE FOR SAMPLE, TWO PROBES FOR REAGENT; THE PROBES ARE POLISHED WITH NANO PROCESSING TECHNOLOGY, WHICH REDUCES CROSS-CONTAMINATION EFFECTIVELY .
15. THE SYSTEM SHOULD HAVE DEGASSING TECHNOLOGY : THE ANALYSER HAS SPECIAL DEGASSING DEVICE TO REMOVE THE AIR DISSOLVED IN THE TUBE SYSTEM, WHICH ENSURE QUICK, ACCURATE AND SMALL VOLUME PIPPETING.
16. SYSTEM SHOULD BE SUPPLIED WITH ONLINE UPS & DEIONISER.
17. SYSTEM SHOULD BE SUPPLIED WITH VEIN IMAGING DEVICE (2 UNITS) BASED ON NEAR INFRA RED (NIR) TECHNOLOGY.
18. THE VEIN IMAGING DEVICE SHOULD HAVE THE ABILITY TO VISUALIZE VESSELS UP TO 10 mm DEEP.
19. BIDDER SHOULD PROVIDE MANPOWER (MINIMUM 2 PERSONS) FOR MINIMUM PERIOD OF THREE YEARS FROM THE DATE OF INSTALLATION FOR OPERATIONAL & ROUTINE MAINTENANCE OF THE INSTRUMENT.