

BIOCHEMISTRY

| S.R. | Description of Item to be purchased (as the same to be incorporated in Purchase Order specifying accessories, spares manual of instructions, charts etc.). Any other specific certificate, quality standardization or document required. | Suggested make(s), models and manufactures | Specifications as to material, size, weight as applicable | Net Nos (in Qty.) after adjusting for available stocks |
|------|--|--|--|--|
| 1 | Chemiluminescence Analyser (Fully Automated) | Lilac Medicare | Measuring System : Single – photon counters (PM) | 2 |
| | | | Sample Board : 96 – well microplates. | |
| | | | Spectrum Range: 300 – 700 nm. | |
| | | | Measuring Time : 01 – 100 S/well | |
| | | | Interference between wells: less than 1 X 100 – 6 | |
| | | | Substrate noise : 0 RLU – 2.5 X 10 ⁶ + | |
| | | | Sensitivity : 1 X 10 – 20 mol/well | |
| 2 | ELISA: Reader and Washer | Transasia, Bio-Rad | Specification Wavelength : 400 nm to 700 nm | 1 |
| | | | Filters : Four 405 nm, 450 nm, 492 nm, 630 nm. | |
| | | | Detection Range : 0.1 A to 0.3 A | |
| | | | Repeatability : < 1.0 % | |
| | | | Stability : < +/- 0.005 A/10 min. | |
| 3 | Radioimmunoassay (Gamma Counter) | Laboratory Technologies | Automated Size, mm (Sample - Specification) : upto 14 X 106 | 1 |
| | | | Frequency, Hz (Revolutions) : 50/60 | |
| | | | Internal Calibration : Continuous | |
| | | | Shield Thickness mm (Detector) : 18 | |
| 4 | Atomic Absorption Spectroscopy | GBC Scientific Equipment Inc | Number of lamps : At least 8 | 1 |
| 5 | Nephelometry | Beckman | Throughput: 180 tests/hr. | 1 |
| 6 | Spectro Fluorometry | Beckman, Sebia, Hitachi | Signal-to-noise ratio : 10,000:1 | 1 |
| | | | Spectrum Range : 200 – 2000 nm | |
| | | | Excitation Source : type continuous xenon lamps, 75 W | |
| | | | Monochromators: Type : Czerny – Turner Focal Length : 200 mm Detector Standard : R1527 PMT (200 – 680 nm) Optional : R 928 PMT (200 – 870 nm) | |

| | | | | |
|----|-----------------------|----------------|---|---|
| 7 | Turbidometry | Beckman | Basic Range : 0 – 1.9999 NTU/PPM Units | 1 |
| | | | Second Range : 0 – 19.999 NTU/PPM Units | |
| | | | Third Range : 0 – 199.99 NTU/PPM Units | |
| | | | Final Range : 0 – 1999.9 NTU/PPM Units | |
| 8 | Colorimeter (Digital) | Bosch and Lamb | High photoelectric stability, LED Source, microprocessor controlled | 3 |
| | | | % T, Abs, Concentration | |
| | | | Sample volume small 1.0 ml | |
| 9 | Centrifuge Machine | Remi | Tube Capacity Size 5 – 15 ml : Number 24 – 36 | 2 |
| | | | RPM : upto 6500 – 7000 | |
| | | | Digital Timer and table top version | |
| 10 | Hot Air Oven | Eie | Height : 416 to 681 mm | 2 |
| | | | Width : 514 to 889 mm | |
| | | | Length : 549 to 772 mm | |
| 11 | Fridge | Whirlpool | 300 litre capacity and frost free | 2 |
| 12 | Autopipettes | Finpipette | Fix – 0.1 ml 1 ml | 6 |
| | | | Rotating – 0.1 ml to 1 ml – 2 1 ml to 5 ml – 2 | |
| 13 | Paper Chromatography | | Glass chamber with stand | 2 |

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|-----|--|-------------------------------|---|-------------------------|--|--|
| 1 | Table | | Size 5 X 4 ft. | 03 (Req. 03) | | |
| | | | Executive Chair | 03 (Req. 03) | | |
| | | | Chair | 12 (Req. 12) | | |
| | | | One 'U' shape table size: length 5 ft. and width 2.5 ft. | 01 (Req. 01) | | |
| | | | | | | |

PCMS & RC: BIOCHEMISTRY

3. CONSUMABLES

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|------|---|-------------------------------|---|---|--|--|
| 1 | Kits | | CK – MB | 01 each (Req. 01 each) | | |
| | | | LDH | | | |
| | | | Lp (a) | | | |
| | | | Apo A | | | |
| | | | Apo B | | | |
| | | | Troponin T | | | |
| | | | GGT | | | |
| | | | Glycated Hemoglobin | | | |
| | | | Microalbumin | | | |
| | | | G ₆ PD | | | |
| | | | HS – CRP | | | |
| | | | CK Total | | | |
| | | | CK – NAC | | | |
| 2 | Whatman Paper No.1,4,20 | | | 100 pcs. of each (Req. 100 pcs. of each) | | |