

1. Blood sedimentation rate reader (ESR) – Microprocessor based with consumables

- (i) Closed tube system
- (ii) Loading capacity- Max 12 samples
- (iii) Throughput- 24 samples per hour
- (iv) Analysis time -30 mins/60 mins
- (v) Pre-indication of result-At 12th minute
- (vi) Results- In westergren mm/hr (by interpolation)
- (vii) Graphic on kinetics- on printer
- (viii) Blood draw level -1.2 ml (1-1.3 ml)
- (ix) Working temperature range 15-32 degree centigrade
- (x) Measurement principle- Infrared detection
- (xi) Optical precision of detection –Resolution of results: +/- 1 mm
- (xii) Measuring range- 1 to 140 mm/hr
- (xiii) Reproducibility:- C.V 5%
- (xiv) Display:- Graphic LCD with backlight
- (xv) Operating conditions- 15-32 degree centigrade
- (xvi) Humidity- 45-85%
- (xvii) Dimension-Ht-20cm, width-24 cm, depth-26 cm, weight-3.5 – 4.0 kg.
- (xviii) Power supply- external power supply, 100-240V, 50-60 Hz.
- (xix) Suitable consumables for the above equipment.

2. Automated integrated urine chemistry & sediment analyzer with consumables

- (i) Compact Bench-Top
- (ii) Parameters for Glucose, Protein, Blood, Bilirubin, Urobilinogen, PH, Ketones, nitrate, Leucocyte
- (iii) Display-scattergram and histogram
- (iv) Strip feeder storage of 400 test strips
- (v) Comply with ILSH by using un-centrifuged samples.
- (vi) Throughput-200 samples/hr (chemistry) & 100 sample/hr (sediment)
- (vii) Firm should have controls available for chemistry and sediment analysis.
- (viii) Consumable – Multistik (10 parameter).



3. Semi automated optical analyzer for clotting assays with consumables

- (i) Principle:- Turbodensitometric method
- (ii) Measurement channel- one.
- (iii) Incubation channel-one reagent position & four cuvette position
- (iv) Sample handling:- Manual, auto-start function.
- (v) Parameters- PT,APTT,TT, Fibrinogen, Extrinsic & intrinsic factors
- (vi) Throughput-PT-15 test/hr, APTT-10 test/hr
- (vii) Display:- LCD
- (viii) Reportable units- seconds, INR, Percent & mg/dl.
- (ix) Calibration curve-at least 9 calibration points
- (x) Operating temperature- 10-30 degree centigrade
- (xi) Humidity- 45-85%
- (xii) Dimensions- H60 mm, W205 mm, D130mm, Weight- Less than 1.0 kg
- (xiii) Power supply- 100-240V.
- (xiv) Consumable (a)CK kit-6 pair: 30 APTT test/pair
(b) Neoplastin 6 pair: 30 PT test/pair

(4) Multi viewing Microscope

- (i) Penta-head (4+1)
- (ii) Magnification- 40 x to 1000x
- (iii) Viewing head- Trinocular head inclined at 30 °IPD (48-75 mm)
- (iv) Eye-piece-10x/22x
- (v) Nose piece-Reversible, Quintuple Nose piece
- (vi) Objectives- Infinity plan 4 x, 45x, 100x (oil)
- (vii) Focus - co-axial and fine
- (viii) Stage - Mechanical stage
- (ix) Illumination- LED pointer
- (x) Condenser-Swing condenser



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