

SPECIFICATIONS OF SEMI AUTO ANALYZER

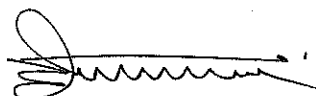
1. Analyzer – semi automated bench top device using wet chemistry reagents.
2. Analyzer should have ability to use both external cuvettes and integrated flow cell.
3. Analyzer should have direct test access keys on the key board for routine chemistry parameters.
4. Analyzer should have more than 190 programmable channels.
5. Analyzer must have key board with water proof membrane.
6. Analyzer must have following assay types:
 - 1-Point (End Point), 1-Point with sample blank
 - 2-Point (Fixed Time)
 - Rate-A (Kinetic)
 - Absorbance Measurement.
7. Analyzer must have following calibration types:
 - Linear, Two Point
 - K Factor
 - Log-Logit.
8. In kinetic assays, measurement interval should be 1 second.
9. Analyzer must have storage for three different calibration for each chemistry.
10. Three level controls (QC) with day to day Levey Jennings chart stored and displayed.
11. The flow cell must be Quartz.
12. The flow cell must have an optical path of 10 mm.
13. The flow cell volume should be less than 20 μ l.
14. Measurement temperature range should be from 20-40 degree C with variable 1 degree C increment.
15. Analyzer must have following wavelengths as standard:
 - 340 nm, 415 nm, 510 nm
 - 546 nm, 578 nm, 600 nm
 - 660 nm, 700 nm
16. Analyzer should have absorbance range from 0.00 – 3.0 Abs units.
17. Analyzer resolution must be 0.0001 Abs.
18. Analyzer detector should be more than 12 bit silicon photo diode.
19. Analyzer must store 1000 results.
20. Analyzer must store reaction graphs for previous 10 samples.
21. One year QC data can be stored.
22. Internal thermal printer should be available.
23. Analyzer should be capable to do multiple testing up to 3 replicates. Should display mean, SD, CV.
24. Measuring time programmable from 2-998 seconds for kinetic & two point type tests and delay from 0-999 seconds.
25. Analyzer should have semi-automatic aspiration of reaction mixture directly into flow cell using peristaltic pump.
26. Analyzer should be able to perform HbA1c testing.
27. The system should be quoted with standard one year guarantee and CAMC for next three years should be quoted, after guarantee period.
28. Demonstration of functionality should be arrange at Jaipur.
29. USFDA approval is must, certificate be enclosed.

Note: Terms & Condition as per Tender and agreement.

The firm shall supply additional accessories free of cost at the time of installation of equipment, these are given below:

- (1). One UPS-0.5 KVA online with each machine approximate costing Rs. 2500.00
- (2). Micro Pipettes-4 Nos. (10ul, 25ul, 500ul, 1000ul) approximate costing Rs. 5500.00
- (3). Tips-400 Nos. (100 Nos. for each pipettes) approximate costing Rs. 500.00
- (4). Reagents-Glucose, Urea, Creatinine, SGPT & Q.C. approximate costing Rs. 3000.00

Total value of accessories : Rs. 11500.00



Executive Director (EPM)
Rajasthan Medical Services Corporation Ltd.,
Jaipur