

SPECIFICATIONS

Semi Automated Clinical Chemistry Analyzer

1. Analyzer should be microcontroller based semi-automated analyser to perform routine biochemistry tests (endpoint, fixed time & kinetic chemistries, multi standard curve calibration & memorisation) etc.
2. Analyzer should have facility to select atleast 50 tests directly through key pad.
3. Analyzer should offer 200 or more user definable programmable parameters.
4. Analyzer should have 8 static interference filters (not filter wheel) with wavelength selectable from 340 - 670 n.m.
5. Analyzer should have programmable aspiration volume from 100 - 2997 μ l.
6. Analyzer should have facility to store around 5000 test results in the memory and can recall stored test results in following formats i.e. ID wise, Date wise, Date & ID wise, Date and Test wise, Patient report with demographics.
7. Analyzer should have full-fledged QC menu to give daily & monthly QC with levy jennings graphs for three controls per test.
8. Analyzer should have flow cell with volume capacity of 20 μ l or less and temperature selection settings programmable from 20°C - 40°C in steps of 1°C.
9. Analyzer should have facility to perform result recalculation facility soon after the abnormal kinetic tests gets completed.
10. Analyzer should be capable of performing coagulation assays like PT & APTT.
11. Analyzer should have provision to run 3 replicates each of standards & samples.
12. Analyzer should perform non-linear calibration with upto 10 standards.
13. Analyzer should have the provisions for 5 fixed calculations items.
14. Analyzer should have USB port facility to transfer test results from the analyzer directly to PC and as well as to external printer.
15. Analyzer should have a separate port to directly connect to a dry block incubator and also a separate port to connect to an external keyboard.
16. Instrument should be CE certified and US-FDA registered. Equipment should be IEC 61010 certified. Certificate to be furnished.
17. The instrument manufacturer should be manufacturer of reagents, controls and calibrators, and it should be of INDIAN origin.


Medical Superintendent
T.B. & I.D. Hospital, Puri

Autochem Ingenious 1.0

Semi - Automated Chemistry Analyser

Lock In Specification

1. It should have Large 7-Inch Touch screen.
2. It should have In-built Peltier regulated incubation compartment with 10 positions.
3. It should have Dual - Flow cell as well as Cuvette Mode system.
4. It should have Single & Multi-Point Calibration facility.
5. It should have In-built Colorful Quality Control with Levy-Jennings graph.
6. It should have facility of USB connectivity to external mouse, keyboard & printer.
7. It should have Real Time curve monitoring.
8. It should have Programmable lamp saver mode.
9. It should have 0.00000 to 4.0 Absorbance Range with 0.0001 Absorbance Accuracy.
10. It should have 500 open programmable tests, 50,000 test results.


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