



Fully Automated Clinical Chemistry Analyser (200T/ H)



Technical Specifications

Item	Description
Throughput	<ul style="list-style-type: none">• 200 test/hour
System type	<ul style="list-style-type: none">• Discreet, open/ closed (Optional)
Sample	<ul style="list-style-type: none">• Serum, Urine, Plasma, CSF, Other body fluids
Measurement principle	<ul style="list-style-type: none">• Photometric and HIAS (Homogeneous Immuno Assays)
Wavelengths	<ul style="list-style-type: none">• 9: 340,405,450,510,546,578,620,660,690nm
Photometer Linearity	<ul style="list-style-type: none">• Up to ± 3.0 Optical Density
Light source	<ul style="list-style-type: none">• Halogen lamp (12V 20 W)
Programmable parameters	<ul style="list-style-type: none">• 50 photometric tests
Assay modes	<ul style="list-style-type: none">• End Point, Fixed time, Rate-A, MultiPoint Non Linear
Sample positions	<ul style="list-style-type: none">• 40 for standard cups/ primary tubes/ STAT
Sample volume	<ul style="list-style-type: none">• 2-50 μl (adjustable in 0.1 μl step)

STAT Sampling	<ul style="list-style-type: none"> • STAT sampling at any position
Reagent positions	<ul style="list-style-type: none"> • 40 for combination of 18mL and 5mL bottle size
Reagent volume	<ul style="list-style-type: none"> • 10 – 300 μl (adjustable in 1 μl step)
Reagent cooling	<ul style="list-style-type: none"> • 15°C below ambient room temperature (approx 25°C)
Reaction volume	<ul style="list-style-type: none"> • 150μl to 300μl
Level sensing and safety mechanism	<ul style="list-style-type: none"> • Vertical obstruction detection • Inventory management by Capacitance based sensing
Reaction temperature	<ul style="list-style-type: none"> • 37 °C\pm 0.2 °C
Calibration	<ul style="list-style-type: none"> • Max 6 calibrators per test with Calibrator auto-dilution
Calibration curves	<ul style="list-style-type: none"> • K-Factor, Linear (one, two and multipoint), Logit-log (4P and 5P), Spline, Exponential and Polynomial
Quality control	<ul style="list-style-type: none"> • Tri level Daily and Monthly L J Graphs with Multi QC Rules
Mixing type	<ul style="list-style-type: none"> • By paddle mixer with variable speed (Low/ Middle/ High)
Sample dilution	<ul style="list-style-type: none"> • Pre/Post dilution for >Linearity & Substrate Depletion
Sample and reagent tray	<ul style="list-style-type: none"> • Rotating turn table with insulating cover
Sample/Reagent Identification	<ul style="list-style-type: none"> • Positive Identification (barcoding) for samples& reagents
Cuvette washing	<ul style="list-style-type: none"> • 7 stages cuvette washing with drier chip

Data storage capacity	<ul style="list-style-type: none"> • Test results: 1,000,000, Reaction curve: 40,000 tests
Graph monitoring	<ul style="list-style-type: none"> • Online for Reaction and Calibration curve
Water consumption	<ul style="list-style-type: none"> • NCCLS Type II, 4.5 liters/hour (approx)
Noise level	<ul style="list-style-type: none"> • Less than 65 dB with cover closed
Weight	<ul style="list-style-type: none"> • Approximately 48Kgs



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