

Technical Specification of fully automatic biochemistry analyzer :

Measurement

System	Automated Discrete random excess multi test analysis , STAT urine and homogenous immune assays
Through put	more than 300 tests per hour without ISE
Analytical Method	End point, Kinetic, Fixed Time, Rate assay Turbidometric assay
Calibration	Linear / non linear , exponential
Sampling unit	
Contents of tests	1. Clinical Chemistry like sugar, lipids, LFT, KFT uric acid, CKMB, CK Nac , amylase proteins, albumin, calcium phosphorus etc, 2. Specific proteins if any are available , please specify
Sample Container	Primary Tube 5, 7 10 ml and sample cups
Sample No.	20-40 at least at one time
Sample Tray No.	1-2
Sample Volume	05- 30µl Pipetting system with plunger with 1.0 µl step or less
Sampling probe	Micropipette with level sensor Liquid level protection, vertical and horizontal collision protection
Probe cleaning	interior and exterior automatic washing Carry over < 0.1%
Automatic Dilution	Yes
Stat Sample Measurement	interruption permitted even during analysis
Sample identification	Position ID Bar code optional

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Reagent Unit

Reagent Tray	two reagents system possible Open system , can accept reagents of any make
Reagent Bottle	specify the capacity
Reagent Volume	R1 150-300 micro liter R2 20- 200 ul
Residual Reagent volume Information	Calculated by count down system
Reagent probe	Micropipette with level sensor Liquid level protection, vertical and horizontal collision protection
Probe cleaning	interior and exterior automatic washing Carry over < 0.1%
Reagent Identification	Position ID Bar code optional

Reaction Unit

Cuvette material	Plastic / Glass , automatic washing Specify whether disposable or permanent
Reaction liquid volume	200-400 micro liter
Reaction Temperature	37± 1°C
Mixing system	Integrated mixer system

Others

Photometry	Wave length 12 Multi wavelength diffraction grating In the range of 310nm to 750 nm
Light Source	Tungsten Halogen Lamp (2000 Hours)
Photometric Linearity	OD- 0-2.5
Cuvette Washing	Automatic Washing system

Gulam

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Water supply 2.0 – 5.0 liter per hour or less

User Interface

monitor Operation status watching
user friendly software

Reaction monitor Reaction curve graphic display

Data storage capacity specify

Printer external , print out of reports is must

Ambient Temperature 15-30°C

Standard accessories like toolkits, extra cuvettes, bulbs, computer, printer to be supplied along with the instrument. Also suitable UPS, deionizing water plant and semiautomatic biochemistry analyzer to be supplied free with the instrument

Specification for accessories and consumables must be given, like cost of cuvettes, reagent bottles etc

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