

# NOVA 2021B

*Semi Automatic Biochemistry Analyzer*





## Semi Automatic Biochemistry Analyzer

### Technical Specification

#### Test Method

- \* End Point With Standard/Factor
- \* Two Point Kinetics (Fixed Time)
- \* Multipoint Kinetics
- \* Multi standard up to 8 standards
- \* Biochromatic, Dual Wavelength
- \* Absorbance

#### Optical System

- \* Principle: Photometric Analysis with Interference Filter
- \* Absorbance Range: -0.214-3.000  
(Linearity:  $\pm 1\%$ , Repeatability: 0.001, Resolution: 0.0001)
- \* Spectral Range Selection: Automatic Via Filter Wheel
- \* Wavelengths: 340, 450, 505, 546, 578, 630 nm  
+ 2 Free Positions,  $\pm 2$  CML Precision
- \* Light Source: 6 V 10 W Long Life tungsten Halogen Lamp
- \* Detector: Silicon Photodiode

#### Thermal System

- \* Peltier Regulated 25°C, 30°C, 37°C & Room Temperature
- \* Accuracy:  $\pm 0.3^\circ\text{C}$

#### Cuvettes

- \* Flow Cell: Quartz 32  $\mu\text{l}$
- \* Path Length: 10 mm
- \* Removable Cuvette (Square)

#### Printer

- \* Inbuilt Thermal Printer (57mm)
- \* Optional External Printer

#### Display, Input & Output System

- \* LCD with High Resolution
- \* Input by Tectile Keypad
- \* Report Content: Absorbency, Reaction Curve, Conc, Activity, Patient info & abnormal Flagging
- \* Real Time reaction Curve with Abs

#### Suction System

- \* Pressure Auto releasing Peristaltic Pump
- \* Suction Volume: 200  $\mu\text{l}$  to 3.0 ml

#### Test Parameter, Storage

- \* Test Parameters: Up to 250
- \* Stabilized Parameter: 55
- \* 15,000 test results Storage
- \* Storage of Quality Control
- \* Auto Saving while power off instantly

#### Quality Control

- \* Low-Jennings Chart Using Westgard's Rule
- \* Auto Drawing of QC figures

#### Operating Conditions

- \* Temperature: 10°C~37°C
- \* Relative Humidity: <85%

#### Computer Interface

- \* RS 232 Serial Port

#### Power Requirement/ Dimensions

- \* Voltage: 100-240 V AC (Auto Adaption)
- \* Frequency: 50/60 HZ
- \* Dimensions: 330X335X125 (L\*W\*H)
- \* Weight: 8 Kg

Technical Specification are subjected to change without prior notice