

www.merilvet.com

 Meril
Veterinary

TRUSTED
Biochemistry analyzer

Merilyzer

CliniQuant™
VET



Versatile and Excellent

■ Recal Function for Kinetic assay

■ 3 levels of QC with levy Jennings plot

■ 8 Assay Modes

■ 100 programmable Channels

■ Ease of Operation

■ 25,600 Test Data storage & 3 Months QC Data



■ **Recal Function for Kinetic assay**

- Less reagent consumption
- More time saving
- Ideal for paediatric samples

■ **670 nm filter**

- Ideal for HbA1c Test
- Leading accuracy of tests by Bichromatic measurement

■ **Reaction Volume: 350µl**

- Less reagent consumption
- More Economical

■ **Ease of Operation**

- QWERTY keyboard
- User friendly operation

Enhance the aesthetics of your setup

Intelligent features for maximum efficiency:

Accurate & Reliable

- 3 levels of QC with Levy Jennings plot
- Availability of 670nm filter ensures accuracy of results in bichromatic mode
- Resolution of 0.0001 helps to detect slightest change in the optical density for all types of assay
- High sensitivity of analyzer ensures that even specialized tests are performed with excellent accuracy and precision
- Automatic air purging facility

Versatile & Flexible

- Flexibility of multipoint calibration with any mode
- 100 programmable Channels
- Interchangeable flow cell and cuvette mode
- Dynamic temperature control by Peltier elements

Unique & Competitive

- Recal function for kinetic assay by selection a linear phase of graph in case of hyperactive sample which ensure saving of additional reagent and time.
- Reducing Turn around Time of the laboratory and increasing efficiency
- Minimum reaction volume of 350 μ L
- Ideal for small-volume samples like pediatric samples.

Efficient & User friendly

- Integrated and interactive software with direct access of test icons
- Inbuilt four position incubator ensures reliable result
- Inbuilt thermal printer
- RS232 Port is available for PC communication with provided software

Unique Hardware and Software Features

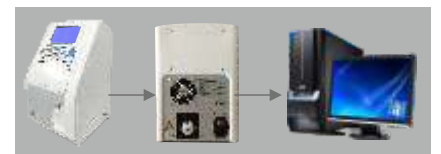
Incubator Block

CliniQuant has in-built incubator slots that provide accurate temperature for reagents and reaction mixtures thus ensuring optimal reaction with sample.



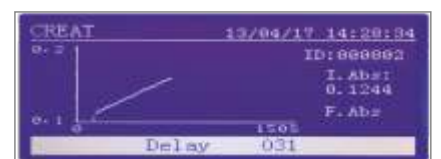
Perfect Data communication

CliniQuant interfacing software via RS232 port assists to maintain result history and also to monitor overall efficiency of reports.



High Resolution

CliniQuant resolution of 0.0001 helps to detect even the slightest changes in Optical Densities for all type of assays. Such high sensitivity of the analyzer ensures that even specialised tests are performed with excellent accuracy and precision.



Recal Function

Recal Function for kinetic assay is possible by selection of a linear phase graph in case of hyperactive sample which saves reagent and time



Technical Specification

Assay Types/Modes	8 modes (Absorbance, End Point, Fixed Time, Rate, Sample Blank, Multi Standard, Two point Non Linear, and Sample Blank Non Linear).
Sample Type	Serum / Urine / Plasma / Body Fluids / Hemolysate
Light Source	6 V, 10 W Quartz Halogen Lamp (Life Span approx 2000 Hours)
Measurement Method	Monochromatic and Bichromatic
Photodiodes	Silicon photodiode
Wavelength	7 Filters (340, 405, 505, 546, 578, 620, 670 nm) and 1 Free position
Absorbance Range	0 - 3 Abs
Resolution	0.0001
Stray light	≥ 2.3 Abs
Delay/Incubation Time	3 - 999 seconds
Read Time	3 - 999 seconds for end point and 30 - 999 for rate and fixed time.
Types of Test ware	Quartz Flowcell
Flowcell Volume	32 μ l
Display	240 x 128 pixel blue color graphical LCD with LED backlight.
Printer	In built 384 dots Thermal Printer
PC Communication	9 pin D type Serial Connector
PC Software	Optional
Memory	FLASH
Storage	25,600 Test Data Storage, 3 Month QC Data
Result Reports	Collated by ID, Date and Test
Quality Controls	Daily and Monthly for 3 levels with LJ Graph
Aspiration Volume	200 - 1500 μ l
Air Aspiration Volume	Variable (To reduce Carry over & Cross contamination)
Cross Contamination	< 1%
Temperature Control	25°C, 30°C, 37 °C Accuracy \pm 0.1°C, Peltier control
Operating Voltage	230 V, 50 Hz, 45 Watt max
Humidity	≤ 80% RH
Dimensions	250 mm(W) x 290 mm(D) x 415 mm(H), Weight ~ 11 kgs

Services network of 300 plus personnel across the country