

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, 6 mm polystyrene cuvette
Flowcell Volume	32 µl
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 µl
Air Aspiration Volume	Variable 0 to 50 µl (To reduce Carry over & Cross contamination)
Cross Contamination	< 1%
Temperature Control	25°C, 30°C, 37 °C Accuracy ±0.1°C, Peltier control
Operating Temperature	10 to 35 °C
Humidity	≤ 80% RH
Dimensions	250 mm(W) x 290 mm(D) x 415 mm(H), Weight ~ 11 kgs
Mat Code	SAACNQ-01

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Meril

Diagnostics

TRUSTED

Biochemistry analyzer



Meril Diagnostics Pvt. Ltd.

D1-D3, Second Floor, Meril Park,
Muktanand Marg, Chala,
Vapi - 396 191, Gujarat, India.
T: +91 260 3052 100
F: +91 260 3052 125
E: diagnostics@merillife.com
W: www.merillife.com

Meril Diagnostics Pvt. Ltd.

601, Midas, Sahar Plaza Complex,
J. B. Nagar, Andheri East,
Mumbai - 400 059, Maharashtra.
T: +91 22 3073 2400
F: +91 22 3935 0777,
Customer Care: 1-800-266-3745 (Toll Free)
E: diagnostics@merillife.com
W: www.merillife.com

Meril South Africa

Meril SA Pty Ltd,
Unit 7, Stoney Ridge Office Park,
cnr Witkoppen and Estelle roads,
Paulshof, Johannesburg,
South Africa

Meril South America

DOC MED LTDA,
1079 - Cep: 04077-003 - Moema
Sao Paulo, Brazil
T (F): +55 11 9738 04568

Meril GmbH.

Bornheimer Streasse 135-137,
D-53119 Bonn, Germany.
T: +49 228 7100 4000
F: +49 228 7100 4001

Meril Turkey

Imalat Ve Ticaret A. S.
6, Mimar sinan Mah.,
Cavusbasi Cad. Ozde Sok.
Aydin Eksi Is Merkezi Kat:1
Cekmekoy/Istanbul, Turkey.
T: +90 53 2272 5172

Merilyzer
CliniQuantTM

Versatile and excellence in performance

Versatile & Flexible

Unique & Economical

Efficient & User friendly

Accurate & Reliable



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: 32µl

- Less reagent consumption
- More Economical

Ease 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
- Remove carry over effect completely by air gap

Versatile & Flexible

- Flexibility of multipoint calibration with any mode
- 100 programmable Channels
- Interchangeable flowcell 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 32 µL
- Ideal for small volume samples like paediatric 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

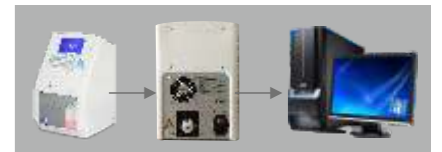
Incubator Block

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



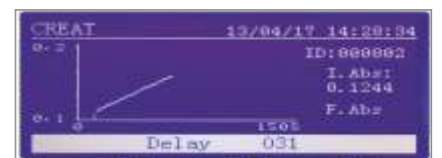
Perfect Data communication

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

