

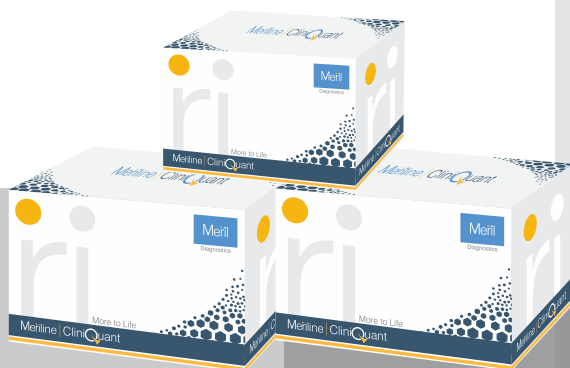
More to Life



Where research becomes the basis of discovering newer ways of alleviating human suffering and empowering an individual with good health.

Meril

Diagnostics



Merilyzer | ClinQuantTM
micro



Meril Diagnostics

Emerging from a lineage of successful business enterprise, Meril Diagnostics is an in-vitro diagnostic arm of the multi million dollar group MNC.

Meril Diagnostic's core objective is to design, manufacture and distribute, clinically relevant, state of the art and best in class analyzers and reagents to alleviate human suffering and improve Quality of Life.

Corporate Office

Meril's corporate office sits proud ensconced within the serene hill sides of Chala town; located 150 kms north of Mumbai at Vapi



Manufacturing

300,000 sq feet state of the art manufacturing, research and development facility located at Vapi for Diagnostics, Orthopaedics, Endo-surgery equipments and Cardiovascular, comprising a team of designers, engineers, chemists, microbiologists and R&D scientists.



Meril Training Academy

While innovations and advancements play a vital role in contributing towards better health of the society, a larger role also lies in educating and imparting training to pathologists, clinicians, technicians and other members of the medical fraternity.



Meril's Training Academy is a world class, first of its kind institution that offers both practicing professionals and students hands on training and knowledge.



Modernistic, contemporary academy with Hands on Trainings, Simulators, Live Case Learning, Distance learning, Hard-ware play rooms, Libraries, Cadaver and Animal models.

Semi-Automated Biochemistry Analyzer

- 8 assay modes
- Preloaded test protocols
- 100 Open Tests Programmes
- 32 μ l Quartz flow cell, minimum aspiration of 200 μ l
- Real time graph display
- Daily and Monthly QC for 3 levels with LJ Graph
- 5000 Patient Data Storage
- Designed for various assays
 - Clinical Chemistry
 - Special Proteins
 - Drugs of Abuse
 - Therapeutic Drugs
 - Electrolytes



Innovative Features

CliniQuant micro is a compact, semi automated biochemistry analyzer for routine chemistries and turbidimetric immuno assay.

Compact Yet Efficient

CliniQuant micro is a compact analyzer with 8 modes (Absorbance, End Point, Fixed Time, Rate, Sample Blank, Multi Standard, Two point Non Linear and Sample Blank Non Linear).

Display

CliniQuant micro is provided with large LCD with LED backlight display that allows excellent visuals eliminating manual errors during data entry.



Accuracy & Precision

CliniQuant micro 32 µl Quartz flow cell not only reduces the sipping volume but also the running cost. The quartz flow cell allows maximum transmission of light thus increasing the performance of the optical system.



In-bulit Thermal Printer

CliniQuant micro is provided with 384 dots Thermal Printer, positioned on the top of the analyzer.

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



Measurement

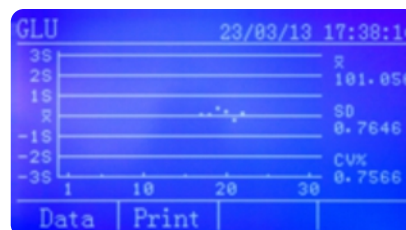
CliniQuant micro is equipped with both Monochromatic & Bichromatic measurement with 6 filters (340, 405, 505, 546, 578, 620) and 2 Free positions.

Storage

CliniQuant micro stores 5000 Patient Reports with 150 Daily QC and 3 Months QC Data.

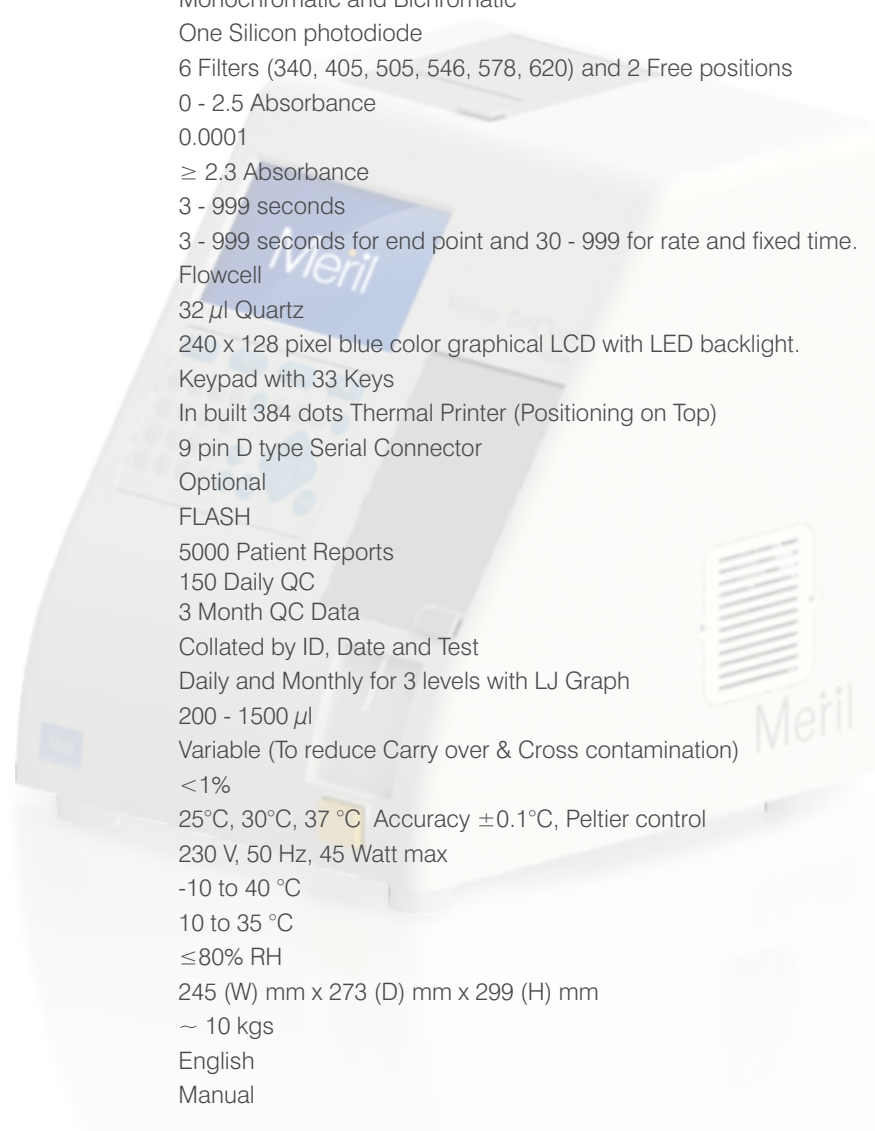
Quality Control

CliniQuant micro 3 levels of QC with Levy Jennings plot continues to remind of the necessity of maintaining proper quality checks to minimise any erroneous results.

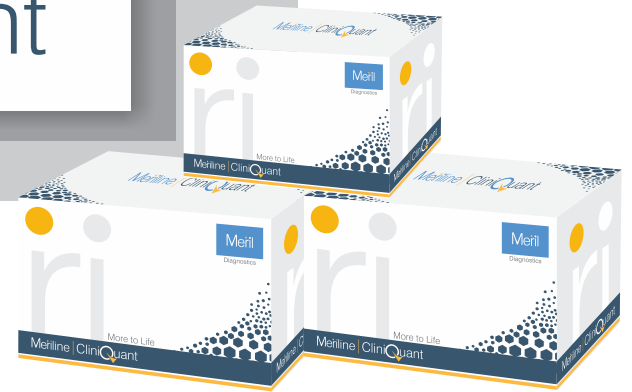


Technical Specifications

Assay Types/Modes	Open system / 8 modes (Absorbance, End Point, Fixed Time, Rate, Sample Blank, Multi Standard, Two point Non Linear, and Sample Blank Non Linear)
Number of Tests	100
Sample Type	Serum / Urine / Plasma
Light Source	6 V, 10 W Quartz Halogen Lamp (Life Span approx 2000 Hours)
Measurement Method	Monochromatic and Bichromatic
Photodiodes	One Silicon photodiode
Wavelength (in Filter wheel)	6 Filters (340, 405, 505, 546, 578, 620) and 2 Free positions
Absorbance Range	0 - 2.5 Absorbance
Resolution	0.0001
Stray light	≥ 2.3 Absorbance
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	Flowcell
Flowcell Volume	32 μ l Quartz
Display	240 x 128 pixel blue color graphical LCD with LED backlight.
Keyboard	Keypad with 33 Keys
Printer	In built 384 dots Thermal Printer (Positioning on Top)
PC Communication	9 pin D type Serial Connector
PC Software	Optional
Memory	FLASH
Storage	5000 Patient Reports 150 Daily QC 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 $\pm 0.1^\circ\text{C}$, Peltier control
Operating Voltage	230 V, 50 Hz, 45 Watt max
Storage Temperature	-10 to 40 °C
Operating Temperature	10 to 35 °C
Humidity	$\leq 80\%$ RH
Dimensions	245 (W) mm x 273 (D) mm x 299 (H) mm
Weight	~ 10 kgs
Language Supported	English
Filter Check	Manual



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CliniQuant FSR (Fluid Stable Reagents)

CODE	ANALYTE	PACK SIZE
ALBFSR-01	Albumin	4 x 50
ALBFSR-02	Albumin (With 2 Stds)	2 x 500
BILFSR-01	Bilirubin (Total & Direct)	4 x 50
BILFSR-02	Bilirubin (Total & Direct)	2 x 200
BILFSR-03	Bilirubin (Total & Direct)	4 x 250
BILFSR-04	Bilirubin (Total & Direct)	2 x 500
TBLFSR-01	Total Bilirubin	4 x 25
DBLFSR-01	Direct Bilirubin	4 x 25
CHDFSR-01	Chloride	2 x 25
CAOFSR-01	Calcium - OCPC	2 x 25
CAAFSR-01	Calcium - Arsenazo	2 x 25
HDCFSR-01	HDL - Cholesterol	4 x 25
CREFSR-03	Creatinine	2 x 25 / 2 x 25
CREFSR-04	Creatinine	3 x 50 / 3 x 50
CREFSR-05	Creatinine (With 2 Stds)	2 x 250
CREFSR-06	Creatinine (With 2 Stds)	2 x 500
PHOFSR-01	Phosphorous	2 x 25
MTPSR-01	Microprotein	2 x 25
TPRFSR-01	Total Protein	4 x 50
TPRFSR-02	Total Protein	2 x 500
ALPFSR-01	Alkaline Phosphatase	4 x 10
ALPFSR-02	Alkaline Phosphatase	5 x 20
AMYFSR-01	Amylase	4 x 10
GLUFSR-01	Glucose	4 x 50
GLUFSR-02	Glucose	5 x 100
GLUFSR-03	Glucose	4 x 250
GLUFSR-04	Glucose (With 2 Stds)	4 x 500
CHOFSR-01	Cholesterol	4 x 25
CHOFSR-02	Cholesterol	4 x 50
CHOFSR-03	Cholesterol (With 2 Stds)	5 x 100
GPTFSR-01	SGPT	4 x 20 / 4 x 5
GPTFSR-02	SGPT	4 x 100 / 2 x 50
GOTFSR-01	SGOT	4 x 20 / 4 x 5
GOTFSR-02	SGOT	4 x 100 / 2 x 50
UREFSR-01	Urea	4 x 20 / 4 x 5
UREFSR-02	Urea	4 x 100 / 2 x 50
TRGFSR-01	Triglyceride	4 x 25
TRGFSR-02	Triglyceride	4 x 50
TRGFSR-03	Triglyceride (With 2 Stds)	5 x 100
URCFSR-01	Uric Acid	4 x 10
URCFSR-02	Uric Acid	4 x 50
URCFSR-03	Uric Acid (With 2 Stds)	10 x 50
LDHFSR-01	LDH - P	1 x 8 / 1 x 2
GGTFSR-01	γ-Glutamyl Transferase	1 x 8 / 1 x 2
CKMFSR-01	CK MB	2 x 8 / 2 x 2
CKNFSR-01	CK NAC	2 x 8 / 2 x 2
LIPFSR-01	Lipase	1 x 16 / 1 x 10
HDLFSR-01	HDL Direct	2 x 24 / 2 x 8
HDLFSR-02	HDL Direct	4 x 30 / 4 x 10
LDLFSR-01	LDL Direct	1 x 24 / 1 x 8
LDLFSR-02	LDL Direct	2 x 30 / 2 x 10

CliniQuant FDR (Freeze Dried Reagents)

CODE	ANALYTE	PACK SIZE
ALPFDR-01	Alkaline Phosphatase	10 x 3
ALPFDR-02	Alkaline Phosphatase	5 x 10
AMYFDR-01	Amylase	5 x 3
CHOFDR-01	Cholesterol	4 x 25
CHOFDR-02	Cholesterol	2 x 100
CKNFDR-01	Creatine Kinase	5 x 2.5
CKMFDR-01	Creatine Kinase - MB	5 x 2.5
GGTFDR-01	γ-Glutamyl Transferase	5 x 3
GLUFDR-01	Glucose	4 x 50
GLUFDR-02	Glucose	5 x 100
GLUFDR-03	Glucose	10 x 100
GLUFDR-04	Glucose (With 2 Stds)	5 x 1000
LDHFDR-01	LDH-P	5 x 3
GOTFDR-01	SGOT	5 x 5
GOTFDR-02	SGOT	5 x 10
GOTFDR-03	SGOT	4 x 50
GPTFDR-01	SGPT	5 x 5
GPTFDR-02	SGPT	5 x 10
GPTFDR-03	SGPT	4 x 50
TRGFDR-01	Triglyceride	5 x 10
TRGFDR-02	Triglyceride	5 x 5
TRGFDR-03	Triglyceride	4 x 50
UREFDR-01	Urea	5 x 10
UREFDR-02	Urea	4 x 50
URCFDR-01	Uric Acid	5 x 10
URCFDR-02	Uric Acid	5 x 5

CliniQuant TIA (Turbidimetric Immuno Assay)

CODE	ANALYTE	PACK SIZE
ASOTIA-01	Anti Streptolysin-O (ASO)	1 x 40 / 1 x 10
CRPTIA-01	C-Reactive Protein (CRP)	1 x 40 / 1 x 10
MALTIA-01	Micro Albumin (μ-ALB)	1 x 40 / 1 x 10
RHFTIA-01	Rheumatoid Factor (RF)	1 x 40 / 1 x 10

CliniQuant Controls

CODE	ANALYTE	PACK SIZE
CRNCNC-01	NORMAL CONTROL	1 x 5 ml
CRPCNC-01	ABNORMAL CONTROL	1 x 5 ml
ASLCNC-01	ASO CONTROL LOW	1 x 1 ml
ASHCNC-01	ASO CONTROL HIGH	1 x 1 ml
CRLCNC-01	CRP CONTROL LOW	1 x 1 ml
CRHCNC-01	CRP CONTROL HIGH	1 x 1 ml
MALCNC-01	MAL CONTROL LOW	1 x 1 ml
MAHCNC-01	MAL CONTROL HIGH	1 x 1 ml
RFLCNC-01	RF CONTROL LOW	1 x 1 ml
RFHCNC-01	RF CONTROL HIGH	1 x 1 ml

Meril

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Meril Diagnostics Pvt. Ltd.

D1 - D3, Second Floor, Meril Park,
Survey No. 135/2/B & 174/2,
Muktanand Marg, Chala,
Vapi - 396191, India.

T +91 22 30732400

F +91 22 39350777

Meril GmbH.

Bornheimer Strasse 135-137,
D-53119 Bonn. Germany.

T +49 228 7100 4000

F +49 228 7100 4001

Meril South America

Doc Med LTDA
Al. dos Tupiniquins,
1079 – Cep: 04077-003 – Moema
Sao Paulo. Brazil.

T (F) +55 11 9738 04868

Meril Tibbi Cihazlar
İmalat ve Ticaret A.Ş.

Mimar Sinan Mah. Causvasi Cad.
Ozge Sok. 5/6 Cekmekoy 34782
İstanbul / Turkey

T +90 53 2272 5172

Email: diagnostics@merillife.com
Website: www.merillife.com
Customer Care: 1-800-266-3745 (Toll Free)

