

More to Life

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

Meril

Diagnostics



Merilyzer | Cliniquant™



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
- Pre loaded test protocols
- 100 open test programmes
- 32 μ l quartz flow cell, minimum aspiration of 200 μ l
- Real time graph display
- 25,600 Test Data Storage
- RS 232 interfacing port
- Report Management Software
- Designed for various assays
 - Clinical Chemistry
 - Special Proteins
 - Drugs of Abuse
 - Therapeutic Drugs
 - Electrolytes



Merilyzer | CliniQuant™

Innovative Features

CliniQuant is a compact, high performance, biochemistry analyzer for routine chemistries and turbidimetric immuno assay.

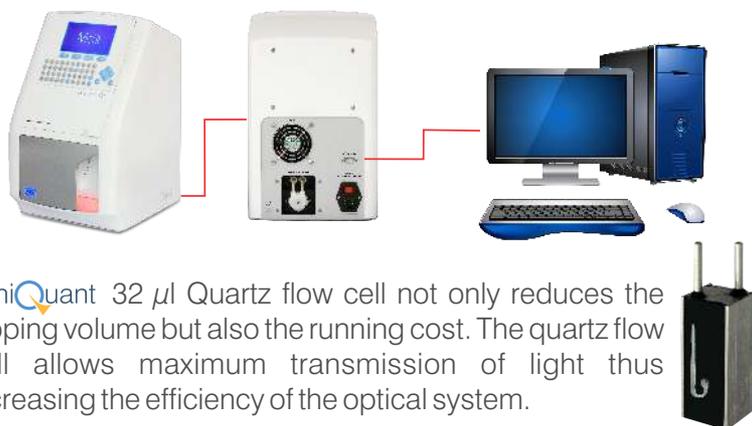
CliniQuant is provided with large LCD display with LED back light that allows excellent visuals, thus eliminating manual errors during data entry.



The QWERTY keyboard ensures ease of operation during assays.



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



CliniQuant 32 μ l 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 efficiency of the optical system.



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

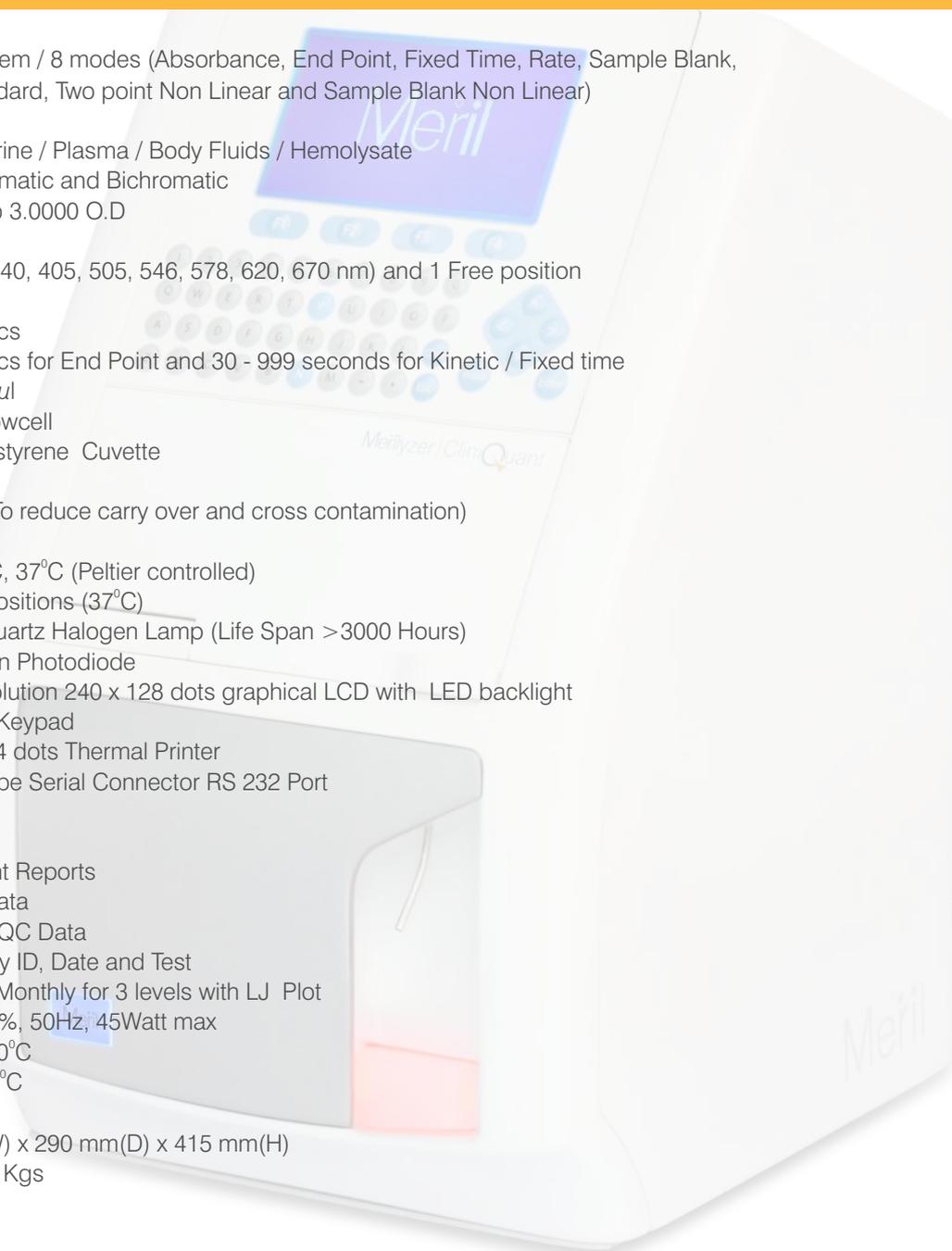
CliniQuant resolution of 0.0001 helps to detect even the slightest changes in Optical Densities for all type of assays. Such high sensitivity of the analyzer ensures that even specialised tests are performed with excellent accuracy and precision.



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



Technical Specifications



The image shows a Meril Analyzer/Clin Quant, a compact, white laboratory instrument. It features a color LCD screen at the top displaying the 'Meril' logo, a full QWERTY keyboard below it, and a sample compartment at the bottom with a red indicator light. The device is designed for clinical laboratory use.

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)
Programmable Tests	100
Sample Type	Serum / Urine / Plasma / Body Fluids / Hemolysate
Measurement Methods	Monochromatic and Bichromatic
Range of Absorbance	0 - 0000 to 3.0000 O.D
Resolution	0.0001
Wavelengths(Filter wheel)	7 Filters (340, 405, 505, 546, 578, 620, 670 nm) and 1 Free position
Stray Light	≥ 2.3 Abs
Delay / Incubation Time	3 - 999 secs
Read Time	3 - 999 secs for End Point and 30 - 999 seconds for Kinetic / Fixed time
Aspiration Volume	200-1500 μ l
Types of Cuvettes	Quartz Flowcell 6mm Polystyrene Cuvette
Flowcell Volume	32 μ l
Air Purge	Variable (To reduce carry over and cross contamination)
Cross Contamination	<1%
Flow Cell Temperature	25°C, 30°C, 37°C (Peltier controlled)
Incubator	4 Inbuilt Positions (37°C)
Light Source	6V,10W Quartz Halogen Lamp (Life Span >3000 Hours)
Photodiodes	One Silicon Photodiode
Display	High Resolution 240 x 128 dots graphical LCD with LED backlight
Keyboard	QWERTY Keypad
Printer	In built 384 dots Thermal Printer
PC Communication	9 Pin D Type Serial Connector RS 232 Port
PC Software	Available
Memory	FLASH
Storage	200 Patient Reports 300 QC Data 3 Months QC Data
Result Reports	Collated by ID, Date and Test
Quality Controls	Daily and Monthly for 3 levels with LJ Plot
Operating Voltage	230V \pm 10%, 50Hz, 45Watt max
Storage Temperature	-10°C to 40°C
Operating Environment	10°C to 35°C
Humidity	≤80% RH
Dimensions	250 mm(W) x 290 mm(D) x 415 mm(H)
Weight	Approx 11 Kgs

Meriline | CliniQuant™



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
MTPFSR-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
RHCNC-01	RF CONTROL HIGH	1 x 1 ml

Meril

More to Life

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