



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 | EIAQuant™



Merilyzer | EIAWash™



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.

Merilyzer | EIAQuant™

EIAQuant Microplate Reader

EIAQuant™ adopts sophisticated embedded computer control technology with 8 optical channels, designed to measure the absorbance of the contents in microwell provided with the functions of automatic feeding, automatic measuring, automatic data analysis and processing that assures reliable measurement and minimum maintenance.

- Quantitative and Qualitative modes
- 8 channels measurement system
- Single well / strip reading capability
- Onboard software and elaborated PC Software
- Extensive QC programme with Levy Jennings plot



Merilyzer | EIAWash™

EIAWash Microplate Washer

EIAWash™ is the perfect choice for 96 well plates with the flexibility of 8 channels or 12 channels manifolds washing options, programmed aspiration and dispensing that employs a reliable, simple and innovative design simplifying its maintenance.

- Easy to use keypad with high resolution LCD display
- 100 Program Tests Storing Capacity
- 8 channels and 12 channels washing manifold
- Compatible with flat and round bottom wells
- Low residual volume assures reliable results
- Programmable aspiration, soak and shake modes



Merilyzer | EIAQuant™

Innovative Features

Ease of Operation

EIAQuant™ is provided with large touch screen LCD display enabling the operator ease of operation.

Efficiency

EIAQuant™ has an ability to read at dual wavelengths. The eight channels optical system delivers high precision and speed. Read time for 96 well microtitre plate is 8 secs and 18 secs using single and dual wavelength respectively.

Onboard Calculation Mode

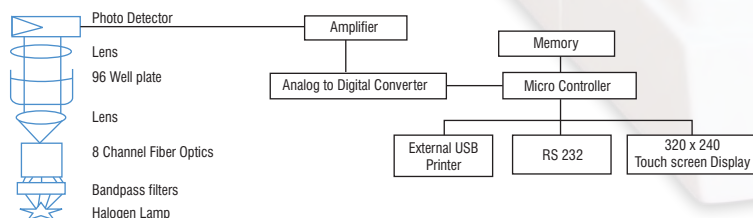
EIAQuant™ is available with Multi standard Non-linear along with calibration types Conc log, Log log, Multipoint, Linear, O.D log.

PC Software

- Software features with semi-quantitative assay mode and reverse cut-off function
- Parallel Shift - Multistandard curve can be easily modified using single standard
- Levy Jennings plot
- Software also features copy test and export data functions, where the results can be directly exported to excel format

Optical System

EIAQuant™ uses Halogen lamp as light source with eight channels fibre optics optical system and four standard spectral filters (405, 450, 492, 630 nm) with 3 optional filter positions.



Technical Specifications

Detection Principle	Absorbance
Assay Modes	Quantitative and Qualitative
Microplate Types	96 wells
Measuring System	8 Channels fibre optics optical system
Reading Speed	Monochromatic - 8 secs for 96 wells Bichromatic - 18 secs for 96 wells
Light Source	12V 20W halogen lamp
Wavelength	405, 450, 492, 630 nm (with 3 optional filter positions)
Display	320 x 240 pixel STN-Blue monochrome LCD with LED backlight
Keypad	Touch screen
Reading Range	0.000 to 4.000 O.D
Repeatability	CV \pm 0.3%
Stability	Drift \pm 0.003 O.D for 1 hour
Linearity	0.000 to 3.000 O.D for 492nm
Shaking	5 options (weak to strong), vibration time adjustable from 0 to 240sec
Data Connectivity	RS 232, External USB printer
Power Supply	230VAC, 50Hz (45W max)
Operating Environment	5°C to 40°C
Dimensions	460 mm(W) x 380 mm(L) x 370 mm(H)
Weight	Approx 15 kg

Merilyzer | EIAWash™

Innovative Features

Ease of Operation

EIAWash™ user friendly software enables operator for programming protocols easily and conveniently using large monochrome LCD display keypad.

Accuracy and Reliability

EIAWash™ aspiration programme rates enhances the washing efficiency by reducing the carryover. Compatible with flat and round bottom wells. Reduced residual volume and lesser background problem is achieved by multiple aspiration points.

Easy Maintenance

EIAWash™ is programmed with integrated liquid level sensors for waste bottles. Designed with removable washing manifolds with 8 and 12 channels, making it easily accessible for cleaning and maintenance.

Programming Flexibility

EIAWash™ can be programmed to provide multistep combinations of aspirate / dispense / soak time cycles, to ease assay protocols. Dispensing volume can be adjusted from 50 µl – 400 µl . Programmable wash cycle of 0 to 255. Provided with 1 to 4 wash buffer position.

Memory

EIAWash™ large non-volatile memory stores up to 100 operator specified wash protocols.

Precision Operation

EIAWash™ is precise in operation with constant monitoring of vacuum and pressure. Pump cycles are used only when necessary for quite operation.

Technical Specifications

Programmable Tests	100
Microwell Types	Flat and Round bottom
Washing Manifold	8 and 12 Needles
Display LCD with LED backlight	192 x 64 pixel STN-Blue monochrome
Programmable Wash Cycle	0 to 255
Washing System	1 wash buffer bottle, 1 D / I water bottle, 1 pressure bottle and 1 waste liquid bottle with liquid level monitoring
Shake Rate	1 to 5 levels
Shake Time	0 to 255 secs
Soak Time	Minimum 0 sec to maximum upto 60 minutes and 60 seconds
Residual Volume	≤ 2 µl
Washing Accuracy	≤ ± 3% at 300 µl
Wash Liquid Volume Range	50-400 µl (with increments of 50 µl)
Relative Humidity	≤ 95%
Power Supply	100-240VAC, 50/60Hz (55W max)
Operating Environment	5°C to 40°C
Dimensions	390 mm (W) × 410 mm (L) × 330 mm (H)
Weight	Approx 11.5 Kg



Meriline | Merilisa™



Allergy

CODE	ANALYTE	PACK SIZE
TIEELI - 01	Total IgE	96T

Anemia

CODE	ANALYTE	PACK SIZE
FRTELI - 01	Ferritin	96T

Diabetes Monitoring

CODE	ANALYTE	PACK SIZE
AGDELI - 01	Anti-GAD	96T
AIAELI - 01	Anti-IA2	96T
CPTELI - 01	C-Peptide new	96T
INSELI - 01	Insulin	96T

Fertility

CODE	ANALYTE	PACK SIZE
ASTEELI - 01	Androstenedione	96T
BHCELI - 01	β-HCG	96T
COSELI - 01	Cortisol	96T
DHSELI - 01	DHEA-S	96T
ESTELI - 01	Estradiol	96T
FESELI - 01	Free Estriol	96T
FTSELI - 01	Free Testosterone	96T
FSNELI - 01	FSH	96T
LHEELI - 01	LH	96T
PSTELI - 01	Progesterone	96T
HPSELI - 01	17OH-Progesterone	96T
PRLELI - 01	Prolactin	96T
TSTELI - 01	Testosterone	96T

Gastroenterology

CODE	ANALYTE	PACK SIZE
AGAEELI - 01	Anti-Gliadin IgA (Deamidated Peptides)	96T
AGGEELI - 01	Anti-Gliadin IgG (Deamidated Peptides)	96T
TGAELI - 01	Anti-Human tTG IgA	96T
TGGELI - 01	Anti-Human tTG IgG	96T

Infectious Range

CODE	ANALYTE	PACK SIZE
HPBELI - 01	HEPATITIS B	96T
HPCELI - 01	HEPATITIS C	96T
HV3ELI - 01	HIV 1+2	96T
HV4ELI - 01	HIV 4th Gen	96T

Oncology (Fujirebio)

CODE	ANALYTE	PACK SIZE
AFPELI - 01	AFP	96T
BRSELI - 01	CA 15-3	96T
PNCELI - 01	CA 19-9	96T
GICELI - 01	CA 242	96T
OVAELI - 01	Ca125	96T
CEAELI - 01	CEA	96T
CYFELI - 01	Cyfra 21 - 1	96T
HEPELI - 01	He4 - Human Epididymis Protein 4	96T
NSEELI - 01	NSE - Neuron Specific Enolase	96T
GRPELI - 01	Pro GRP	96T
PSAELI - 01	PSA	96T
FPSELI - 01	PSA Free	96T
MBDELI - 01	S 100B (S 100 A1B + S 100 BB)	96T
SCCELI - 01	SCC - Squamous Cell Carcinoma	96T

Rheumatology

CODE	ANALYTE	PACK SIZE
ANAELI - 01	Anti-ANA Screen	96T
CCPELI - 01	Anti-CCP	96T
CRBELI - 01	Anti-Centromere B	96T
DSDELI - 01	Anti-dsDNA IgG	96T
ENAEELI - 01	Anti-ENA Screen	96T
ENSELI - 01	Anti-ENA Screen - 6 Parameter Profile	96T
HISELI - 01	Anti-Histone	96T
AJOELI - 01	Anti-Jo-1	96T
RNSELI - 01	Anti-RNP/Sm	96T
RN7ELI - 01	Anti-RNP70	96T
SCLELI - 01	Anti-Scl70	96T
ASMEELI - 01	Anti-Sm	96T
SSAEELI - 01	Anti-SS-A	96T
SSBELI - 01	Anti-SS-B	96T
VTDELI - 01	25 - OH Vitamin D	96T

Thrombosis

CODE	ANALYTE	PACK SIZE
ABGELI - 01	Anti-Beta2 Glycoprotein IgG	96T
ABMEELI - 01	Anti-Beta2 Glycoprotein IgM	96T
ACAELI - 01	Anti-Cardiolipin IgA	96T
ACGELI - 01	Anti-Cardiolipin IgG	96T
ACMEELI - 01	Anti-Cardiolipin IgM	96T
ACSELI - 01	Anti-Cardiolipin Screen	96T
APLELI - 01	Anti-Phospholipid Screen	96T

Thyroid

CODE	ANALYTE	PACK SIZE
ATGELI - 01	Anti-TG	96T
ATPELI - 01	Anti-TPO	96T
FTTELI - 01	FT3	96T
FTFELI - 01	FT4	96T
TTTELI - 01	T3	96T
TTFELI - 01	T4	96T
TSHELI - 01	TSH Receptor	96T
TSOELI - 01	TSH (one step)	96T

TORCH

CODE	ANALYTE	PACK SIZE
CMGELI - 01	CMV IgG	96T
CMMELI - 01	CMV IgM	96T
H1GELI - 01	HSV 1 IgG	96T
H1MEELI - 01	HSV 1 IgM	96T
H2GELI - 01	HSV 2 IgG	96T
H2MEELI - 01	HSV 2 IgM	96T
RBGELI - 01	RUBELLA IgG	96T
RBMELI - 01	Rubella IgM	96T
TXGELI - 01	Toxo IgG	96T
TXMEELI - 01	Toxo IgM	96T

Immunoassay Controls

CODE	ANALYTE	PACK SIZE
CANCNC - 01	CanCheck Control	2 x 3 x 0.75 ml
TUMCNC - 01	Tumor Marker Control	2 x 3 x 3 ml
VTDCNC - 01	Vitamin D Control	3 x 2 x 2 ml

Meril

More to Life

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EQW/BROCHURE/20130530/V1.0/IND

