

| Mat Code | Material Description | Pack Size |
|-----------|--------------------------|--------------------------|
| ALBAQ1-01 | ALBUMIN | 6 x 20 ml |
| AMYAQ1-01 | AMYLASE | 4 x 20 ml |
| ALPAQ1-01 | ALKALINE PHOSPHATASE | 4 x 15 ml |
| GPTAQ1-01 | ALAT (GPT) | 6 x 20 / 6 x 5 ml |
| GOTAQ1-01 | ASAT(GOT) | 6 x 20 / 6 x 5 ml |
| BITAQ1-01 | BILIRUBIN TOTAL | 5 x 15 / 5 x 5 ml |
| BIDAQ1-01 | BILIRUBIN DIRECT | 5 x 15 / 5 x 5 ml |
| CAAQ1-01 | CALCIUM (A) | 4 x 20 ml |
| CREAQ1-02 | CREATININE | 5 x 15 / 5 x 15 ml |
| CKNAQ1-01 | CREATINE KINASE NAC | 2 x 20 / 2 x 5 ml |
| CKMAQ1-01 | CREATINE KINASE MB | 2 x 20 / 2 x 5 ml |
| CHOAQ1-01 | CHOLESTEROL | 6 x 20 ml |
| HDLAQ1-01 | HDL CHOLESTEROL (Direct) | 2 x 18 / 2 x 6 ml |
| LDLAQ1-01 | LDL CHOLESTEROL (Direct) | 1 x 18 / 1 x 6 ml |
| CHDAQ1-01 | CHLORIDE | 4 x 20 ml |
| GGTAQ1-01 | g-GLUTAMYL TRANSFERASE | 1 x 20 / 1 x 5 ml |
| GLUAQ1-01 | GLUCOSE | 10 x 20 ml |
| LDHAQ1-01 | LACTATEDEHYDROGENASE | 1 x 20 / 1 x 5 ml |
| MAGAQ1-01 | MAGNESIUM | 4 x 20 ml |
| PHOAQ1-01 | PHOSPHORUS | 4 x 20 ml |
| TPRAQ1-01 | TOTAL PROTEIN | 6 x 15 ml |
| MTPAQ1-01 | MICROPROTEIN | 4 x 20 ml |
| TRGAQ1-01 | TRIGLYCERIDE | 6 x 20 ml |
| URCAQ1-01 | URIC ACID | 4 x 15 ml |
| UREAQ1-01 | UREA | 6 x 20 / 6 x 5 ml |
| MALAQ2-01 | MICRO ALBUMIN | 2 x 20 / 2 x 5ml |
| CRPAQ2-01 | CRP | 2 x 20 / 2 x 5ml |
| LIPAQ2-01 | LIPASE | 1 x 20 / 1 x 12 ml |
| HBAAQ2-01 | HbA1c | 2x15/2x5.5/1x75/4x0.5 ml |

Technical Specifications

| | |
|----------------------------------|--|
| Throughput | Double Reagent : 200 Tests / hour Single Reagent : 240 Tests / hour With ISE (Optional) : Max 300 Test / hour |
| System Functions | Analysis method: End Point, Fixed Time (2-point), Kinetic Rate-A, Kinetic Rate-B Assay modes: Colorimetry, Turbidimetry, Single and Double reagent, Multi standard, Mono and Bi – Chromatic |
| Sample / Reagent handling | Sample volume: 2 - 50 µl 0.1 µl step Sample dilution: 2 to 40 times Reagent position: 30 for R1 and R2 Reagent volume: Reagent 1: 180-350 µl (Adjustable in 1 µl step) Reagent 2: 0 or 10-350 µl (Adjustable in 1 µl step) |
| Reaction System | Reaction cuvette: 60 (Dismountable) Cuvette washing: On board laundry with 7 step washing system Water consumption: 5 - 6 litres / hour Optical length of cuvette: 6 mm Reaction volume: 180 - 550 µl Reaction time: 30 to 600 sec (Depending on the designated cycle time and number of reagents) Reaction temperature: 37 ± 0.2° C |
| Optical System | Measurement: Photometry Light source: Halogen Tungsten lamp Wavelength: Total 9 filters (340, 405, 450, 510, 546, 578, 620, 670, 700 nm) Absorbance range: 0 - 3.0 Abs Resolution: 0.0001 Abs |
| Calibration | K-Factor, Linear (one, two and multi point), Logit-log, Spline, Exponential, Polynomial (second, third and fourth order) Calibration points: Multipoint curves for up to 6 points execution by repeat run list or auto execution Auto re-run: Auto execution according to abnormal marking or range over |
| Data Storage | Test results: Unlimited tests Reaction curve: Unlimited tests Profiles: 12 Within day as well as day-to-day X and X-R control diagram (L-J Graph) |
| Quality Control | Real time quality control based on Multi-rule method mean, SD, %CV, R is calculated for all parameters for sample replicates |
| Working Conditions | Power supply: 110/220 VAC, 50/60 Hz (Max. Power 250 W) Temperature: 10 C - 30 C Humidity: 40% - 80% free from water dew formation |
| Operation System | Windows XP, Windows 2007, Window 8, Windows 10 or Winfix |
| Input and Output | Input: RS 232 interface/computer Output: Multi Format Printout |
| Dimensions | 550 mm (W) x 420 mm (D) x 380 mm (H) |
| Weight | Approx. 23 kgs |
| Mat Code | FAACNQ-05 |



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It Works, You relax...

Merilyzer

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Meril Diagnostics endeavor to manufacture most of their products in-house witnesses the launch of AutoQuant 200i™ bench top fully automated analyzer with a throughput of 200 tests per hour. Its unique compact model with inbuilt laundry and cooling facility for Reagents makes it ideal for a medium size laboratory for routine tests, and as a backup for bigger laboratories. Its unique software and feature of user defined reflex action makes it user friendly Fully Auto Analyzer.

Reagent & Sample Tray

- 30 refrigerated reagent positions & 30 sampling position
- Reagent & Sample positions are bar code enabled
- Detachable Reagent Tray
- Peltier based cooling system to maintain temperature between 8 to 12°C
- 20 ml Reagent bottles with dead volume of 750 µl
- Primary tubes (5 ml to 7 ml) & samples cups can be used
- Continuous loading
- STAT/controls/calibrators can be placed at any position

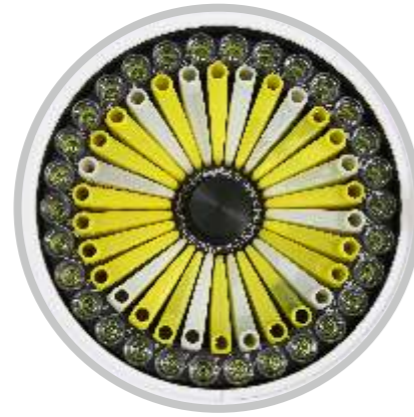


Figure. 1

Sample, Reagent Probe & Stirrer

- Hydrophobic probes which prevents cross contamination
- Capacitive level detection
- Vertical and horizontal obstruction detection facility to prevent probe crash
- Long life pipetting system with plunger driven by precised stepper motor
- Single micro coated stirrer



Figure. 2

Reaction & Optical System Unit

- 60 discrete, dismountable, easily replaceable and reusable cuvettes with 6 mm optical path
- PMMA material which ensures high transmittance with long life of 18 months
- 7-step on board washing
- Cuvettes carry over <1%
- Probe carry over <3%
- Continuous cuvette blank checking, if blank exceeds the limit, cuvette is skipped
- Low water consumption of 5 to 6 litres
- Cycle time: 12 secs
- Halogen Tungsten lamp, with fibre optics
- Silicon photo-diode detector
- Photometric system of static filters with total 9 filters (340, 405, 450, 510, 546, 578, 620, 670, 700 nm)



Figure. 3

It Works, You relax...



- Throughput: Up to 200 Tests / hour for double reagents
Up to 240 Tests / hour for single reagent
Up to 300 Tests / hour with ISE (Optional)
- Analysis Method : End Point, Fixed Time (2-point), Kinetic Rate-A, Kinetic Rate-B
- Assay Modes : Colorimetric, Turbidimetry, Single and Double reagent, Multi standard, Mono and Bi – Chromatic
- Random Access with STAT function
- Measurement Principle : Photometry
- Sample Positions: Maximum 30 positions
- Refrigerated cooled 30 onboard reagent positions maintained by water cooled Peltier system
- 60 dismountable, easily replaceable and reusable cuvettes
- Total 9 filters (340, 405, 450, 510, 546, 578, 620, 670, 700 nm)
- Calibration Points: K-Factor, Linear, Logit-log 4P, Logit-log 5P, Spline, Exponential
- User defined reflex testing
- User defined forbidden pairs with 3 different types of wash
- Laundry System, 7-step automatic washing
- Low water consumption of 5 - 6 litres / hour
- Easy-to-use Windows based software (Windows XP/Windows 7 / Windows 8 / Windows 10)
- Maintenance free Syringe pump with ceramic piston

Cooling System

- Water based cooling system for peltier
- Prolongs the life of peltier
- Reduces Internal heat dissipation helps reducing probable electronics failure
- Ensures high onboard stability of Reagents
- 10-12° below ambient temperature



Figure. 4

Software

- Online curve for all types of chemistries
- Pre-dilution & Auto-dilution facility
- Auto rerun - Auto execution based on reagent linearity or substrate depletion
 - User defined reflex testing.
 - User defined carry over pair
- Real Time online monitoring for running status of
 - Sample tray
 - Reagent tray
 - Reaction cuvette
 - Reagent Inventory

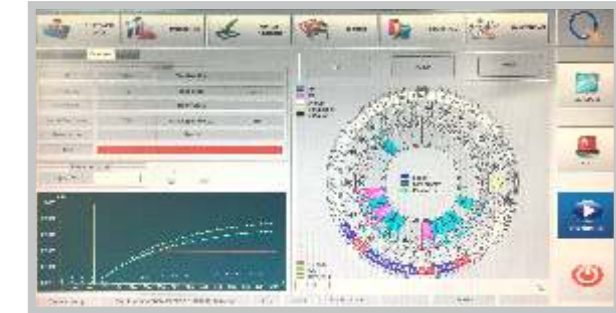
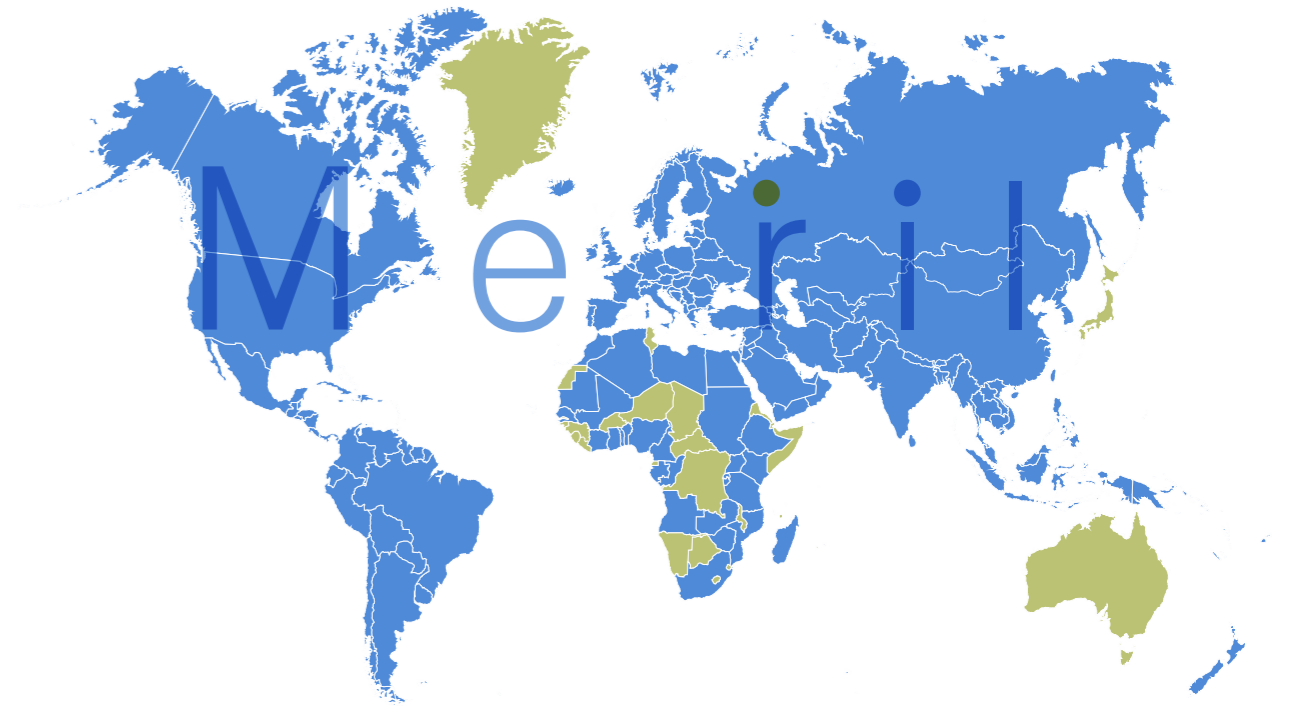


Figure. 5

Global Footprint



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