Flow Cell $30 \,\mu$ l quartz Light Source UV Quartz halogen lamp 6V/10W 25°C, 30°C, 37°C and room temperature Temperature Temperature Control By peltier element

Photodetector UV enhanced silicon photodiode Cuvette option Triple cuvette system, 10mm square/Round cuvette with square adaptor (optional) Filter 7 interference filters (340, 405, 505, 546,

578, 620 and 670 nm) with 3 optional

Filter wheel, through stepper motor Filter Selection

MEASURING SYSTEM

350-5000µl Reaction Volume Aspiration Peristaltic pump Photometric Range - 0.1 to 3.0 Absorbance 0.0001 Absorbance Resolution Linearity ≤ 1% Automatic zero setting Blanking

Automatic against standard with auto storage Calibration of graph for all tests

Measurement Methods-

• End point/one point reaction with or without reagent blank and

• Fixed time/two point kinetics with or without reagent blank and sample blank (with 1 sec change)

• Kinetic test/multi point with or without calibration, factor and sample blank (with 1 sec change)

• Bichromatic with or without reagent blank and sample blank • Multipoint Calibration of 10 multi-standards with curve fit formula ◆ Linear, Point-Point, Multi-Point, Logit-Log 4P, Logit-Log 5P, Polynomial, Parabola, Exponential 5P and Spline calibrations with

error flags multi-standards Absorbance

OPERATOR INTERFACE

Total Programmable Tests 248 Direct Test Keys

Quality Control 3 Controls per test with Levey Jenning graph 640 x 480 pixel, Color graphical TFT (5.6") Display

Touch Screen Optional Incubator Dry bath 6 position Printer Graphical inbuilt thermal printer

Air Purge After each sample Keyboard Qwerty alphanumeric membrane keyboard (80 keys) for direct function entries Communication Interface RS 232(optional), USB port (optional)

- 1,00,000 test results

Through WiFi (optional)

- 22320 QC results and graph - Calibration curve and results for all tests

- Reagent blank for all tests Test name, Patient name, Sample ID, Date Result Recall LIS Software Available (optional)

PHYSICAL

Telemedicine Port

Memory

Dimension 420(W) x 310(D) x 150 (H) mm **Power Supply** AC 110-250V, $50 \pm 10\%$ Hz Weight 8 Kgs approx.

ENVIRONMENTAL CONDITIONS

Storage condition

0 - 40°C Temperature Non-condensing humidity 0 - 80 %

Operating Condition

Temperature 10° - 40°C

ABOUT ALPHA TECHNOLOGIES

We offers a broad portfolio of performance driven In Vitro Diagnostics products and instrumentation for use in hospitals, diagnostic laboratories and research centers worldwide.

Our brand, along with our domestic and international manufacturing partners, provides a high quality, costeffective alternative for diagnostics instrumentation, assays and reagents for better delivery, more personalized care to patients around the globe.



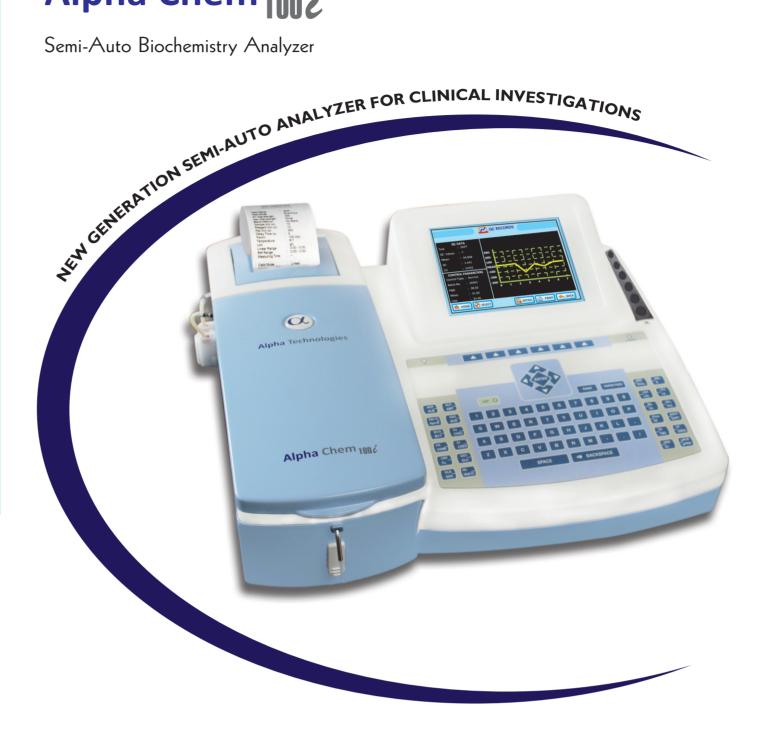
Ol Alpha Jechnologies

Plot No. 65, Rukmani Nagar 3rd Street, Maduravoyal, Chennai - 600 095 State/Province : Tamilnadu Country: India Ph: 044-2378 1214 Mob: +91 9444087961 Mail: info@alphatechnologiesindia.com website: www.alphatechnologiesindia.com

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CLINICAL

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Autoimmune (Turbidometric method) - CRP, IgA, IgG

Anaemia – Hemoglobin, Fe, TIBC, Transferrin, GDH

Basic Metabolic profile – Amylase, Albumin, Glucose, Globulin, HBA1c, HBD, Lipase, LDH

Cardiac – CK-MB, CK-NAC, CRP, Cholesterol, LDH, Lipoprotein-a, Triglyceride

Diabetes – Glucose, Glucose Hexokinase, HBA1c, Microalbumin, Cholesterol, Total protein

Electrolytes - Ammonia, Bicarbonate, Calcium, Chloride, Iron, Magnesium, Phosphorous, Potassium, Sodium, Zinc

Inflammation (Turbidometric method) - ASO, CRP

Lipid Profile - Apolipoprotein A, Apolipoprotein B, Cholesterol, HDL-Cholesterol, Lipoprotein-a, LDL- Cholesterol, Lipase, Triglyceride, VLDL

Liver profile - Aldolase, Albumin, Alkaline Phosphatase, Acid Phosphatase, Bilirubin, Cholinesterase, GGT, Micro albumin, SGOT, SGPT

Kidney profile - Blood Urea Nitrogen, Creatinine, Globulin, Micro protein, Total Protein, Urea, Uric acid, Phosphorous, Potassium, Sodium, Urinary protein

of analytes of Routine Biochemistry, Electrolytes, Enzyme etc. Simple on-board step by step instructions ensures consistency of results on which you can rely upon.

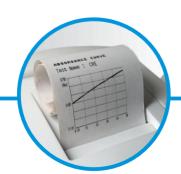
Alpha Chem _{100\acute{e}} is a compact, simple, reliable semiautomated analyzer capable to perform

tests on whole blood, serum, plasma, cerebrospinal fluid or urine samples to determine concentration





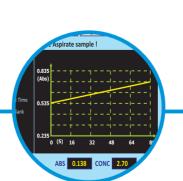
- Software calibrated peristaltic pump for less reagent consumption
- Maintenance free, Long life



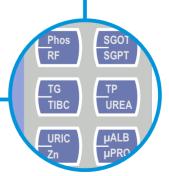
 High resolution graphic thermal printer for multiform reports



• Built-in 6 Position dry bath incubator



- Realtime absorbance curve, Realtime clock, Realtime temperature display on screen
- QC program for 3 controls per tests with
- westguard rules, Levey-Jennigs chart • Unique feature of Kinetic graph storage facility
- Calibration graph storage for all tests
- Facility to create profiles of various tests



- 48 direct keys to access tests directly from keyboard
- Lamp saving mode indicator on keyboard

 Key to Rinse flow cell at any stage of test

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