



PreciCHEM-300+

(Semi Automated Clinical Chemistry Analyzer)



Semi Automated Clinical Chemistry Analyser

- Robust and reliable diagnostics solution
- Consistent performance and easy operation
- Internal Incubator makes work flow easy
- No. of Tubes – 7
- Incubator Temperature - 37° C
- (PT / APTT / TT) Coagulation Test

PreciChem is a precise fusion of reliability and performance. Its versatility improves productivity of modern labs through its robust design, intuitive software and hassle free operation.



FLEXIBLE

- ▶ Programmed to analyse endpoint, fixed time and kinetic assays.
- ▶ Storage for 200 user programmable test methods and 10000 test results.
- ▶ Create up to 10 customised test profiles.

ECONOMICAL

- ▶ Low reagent consumption
- ▶ High quality surface coating ensures long Filter life
- ▶ Extended lamp life

ROBUST

- ▶ Low maintenance
- ▶ Consistent and reliable results
- ▶ Indian design and manufacturing

OPTIMISED OPTICAL DESIGN

High sensitivity measurement for kinetic and turbidibetric assays (RF, ASO, CRP etc)

LIGHT SOURCE

Halogen Quartz tungsten lamp (6V, 10Watt). Lamp life saving mode (programmable Sleep Interval) Unique Lamp life enhancing circuit

ASPIRATION

High precision peristaltic pump Non corrosive tubing ensures long life and accurate aspiration Aspiration air gap and auto empty function after each sample run Minimal chances of carry over.

ONE TOUCH ACCESS TO DEDICATED ASSAYS

48 direct access assays

PRINTABLE REAL TIME GRAPH

Real time graph is displayed on screen and can be printed

EASY MAINTENANCE

Self-diagnosis and system health reporting are an integral part of PreciLab. Easily set photometer gain and perform pump calibration.

SOFTWARE FEATURES

PreciCHEM Software is designed to simplify daily laboratory routine. It's simple and intuitive work flow enhances user efficiency and productivity.

INTUITIVE USER INTERFACE

- ▶ Six informative screens control operations
- ▶ Easy navigation through submenus
- ▶ Requires minimal training

CALIBRATION

- ▶ Factor, one-point, two-point and multi-point
- ▶ Non linear multi point calibration
- ▶ Up to 3 replicates per point
- ▶ Up to 10 calibration points

QUALITY CONTROL

- ▶ Mean, SD, % CV and R calculated for each assay
- ▶ Levey-Jennings control chart
- ▶ 3 levels per assay
- ▶ Westgard Rules

ERROR DETECTION

- ▶ Early detection and reporting of errors on screen
- ▶ Saves time and avoids faulty test runs which saves reagents

TECHNICAL SPECIFICATIONS

PHOTOMETRIC MODULE

- ▶ Seven Narrowband Interference Filters
- ▶ Filter Wavelengths: 340, 405, 505, 546, 578, 630 and 670nm (1 open position for optional filter)
- ▶ IAD process ensures long filter life
- ▶ Wavelength Accuracy: ± 2 nm
- ▶ Silicon Photo Diode detector
- ▶ Absorbance Range: 0.03-3.0 A
- ▶ Resolution: 0.0001 Absorbance Units
- ▶ Photometric Drift: < 5mAbs/30min
- ▶ CV: <1%

TEMPERATURE OF FLOW CELL/CUVETTE

- ▶ 25°C, 30°C, 37°C
- ▶ Temperature Stability: $\pm 0.2^\circ\text{C}$

DISPLAY

- ▶ 5.7 Inch LCD display screen
- ▶ High Contrast Display

KEYBOARD

- ▶ Tactile touch QWERTY keypad
- ▶ Visual indication on keypad during aspiration

PRINTER

- ▶ Internal 57mm thermal printer with full graphics printing

MEASURING MODULE

- ▶ Dual mode (Flow cell & Cuvette)
- ▶ High Quality Quartz flow cell for precise measurements
- ▶ 30 μl Flowcell volume
- ▶ Peltier-co
- ▶ External cuvettes (10mm path length)

REACTION VOLUME

- ▶ Minimum aspiration volume - 300 μl
- ▶ Maximum aspiration volume - 5ml

DIMENSIONS

- ▶ Length: 422 mm
- ▶ Width: 324 mm
- ▶ Height: 176mm
- ▶ Weight: 6.5 kg

ANALYSIS METHOD

- ▶ Endpoint, Fixed time and Kinetic
- ▶ Sample blanking and Reagent Blanking
- ▶ Direct Absorbance measurement mode
- ▶ Coagulation Mode (PT / APTT / TT)

TEST PROFILES

- ▶ User defined 10 Test Profiles
- ▶ 10 tests can be added in each profile

TEST CHANNELS

- ▶ 48 dedicated assays
- ▶ Direct access keys for dedicated assays
- ▶ Open channel capability
- ▶ 200 programmable channels

DATA MANAGEMENT

- ▶ Storage of up to 10,000 test results
- ▶ Stores 30 days QC for each Assay
- ▶ Reagent Blank storage

REPORTS

- ▶ Search by date, sample ID or Test Name
- ▶ Calibration Reports, QC results

UNITS

- ▶ 15 pre-defined measurement units

QC AND CALIBRATION

- ▶ Daily and monthly QC with data archiving.

INTERFACE

- ▶ RS 232 Port
- ▶ USB Port
- ▶ PC Connectivity (optional)

POWER

- ▶ Input Voltage Range : 88 - 264 VAC
- ▶ Frequency Range : 47 - 63 Hz
- ▶ Power consumption : 75 W max

INCUBATOR

- ▶ Internal Incubator makes work flow easy
- ▶ No. of Tubes - 7
- ▶ Incubator Temperature - 37° C



PRECISION BIOMED PRIVATE LIMITED
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