

evolution^{neo} +

Clinical Chemistry Analyzer



EC REP

Serachem Diagnostic Limited
71-75, Shelton Street, Convent Garden,
London, WC2H 9JQ, ENGLAND
E-mail: serachem@serachem-diagnostic.com www.serachem-diagnostic.com

Serachem Diagnostic, LLC
354 E, Main Street Suite 1011 Middletown
D.E. 19709, USA, PH : +1 (302) 601-7242 E-
mail: serachem@serachem-diagnostic.com
Website: www.serachem-diagnostic.com

Manufactured By
Serachem Diagnostic India Private Limited
82, Ward No. 10, Vashisth Colony, Near OHM Convent
School, Kurukshetra, Haryana-136118 E-mail:
info@serachem.asia, PH : +91-9416831111
www.serachem.asia
Manufacturing Licence No.:
MFG/IVD/2023/000121

Technical Parameters

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7 inches Color Touch screen interface
Large Graphic display with real time graph display for enzymatic reaction
Graph zoom in option providing clarity of the reaction curves
Built-in thermal printer to print results, enzymatic curves and standard calibration curves
India's First cloud based biochemistry analyzer,
Reagents management alarm, On board Incubation.

Multi-Programming Modes Absorbance
Endpoint with standard, factor, sample blank and differential Fixed Time(Two-point) and multi point Kinetics
Multi standard calibration
Mono or bi-chromatic reading Turbidimetry

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Optical System

Principle: photometry
Range of measurement: 0-2.5 A for 340nm;
0-3.0 A for 405nm onwards
Spectral range selection: automatic via filter wheel
Filters: 340, 405, 505, 546, 578 and 630nm plus two free position
Bandwidth: 10nm (+/- 2nm)
Light source: Halogen lamp 12 V20W
Blanking: Automatic
Detector: Silicon Photodiode

Photometric Block

Peltier regulated 25 C, 30 C and 37 C
Accuracy: +/- 0.1 C
Flow cell of 33 u L
Removable cuvettes: semi-micro and Micro
Continuous flow system with perstatic pump incorporated Programmable Sipping Volume

Memory

150+ User Defined Test
Programs 2000 Test Result
Reagent Blank
3 Level of QC

Quality Control Chart

Levy-Jennings chart using westgard's rules
30 Normal and abnormal QC values for selected test

Power/Dimensions

Voltage: 120-230 VAC
Frequency: 50Hz
Maximum power: < 100 VA
Maximum relative humidity:
75% Compact form factor
Weight: ~5kgs

User Interface

Graphic LCD back Lit. 240x64 pixels
Touch Screen input
Data port
Type: Graphic thermal printer
Characters perline: 384 dots/line
Paper: Thermosensitive - 57mm wide



* with dedicated system packs

**“Let our experience...
be your guide...”**

MANUFACTURED & MARKETED BY :-

SERACHEM DIAGNOSTIC INDIA PVT LTD
82, WARD NO: 10, VASHISHTH COLONY, NEAR
OHM CONVENT SCHOOL,

KURUKSHETRA-136118, HARYANA (INDIA)

CUSTOMER CARE : 1800 103 0319, PH:+91-9416831111

E-MAIL: INFO@SERACHEM.ASIA, WWW.SERACHEM.ASIA

