

CS01
Clinical Chemistry Analyzer

CHEMISCENT
BY JITM C GENES



- Endpoint, Fixed-time, Kinetics and Absorbance**
- Wavelengths range 340 to 630nm**
- Graphic LCD back Lit.240x64 pixels touch screen**
- Upto 150+ tests can be programmed**
- Test mode : Flow cell & cuvette**
- Storage 2000 test results**
- External Dry Bath Incubator**



info@jitmcgenes.com, www.jitmcgenes.com

CHEMISCENT powered by high performance state-of-Art sophisticated electronics and sub system. Thoughtfully designed features makes CHEMISCENT a simple and easy-to-use equipment.

- Touch screen interface with dynamic test access key
- 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

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

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 positions
- Bandwidth: 10nm (+/- 2nm)
- Light source: Halogen lamp 12 V20W
- Blanking: Automatic
- Detector: Silicon Photodiode

Memory

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

Photometric Block

- Peltier regulated 250C, 300C and 370C
- Accuracy: +/- 0.10C
- Flow cell of 33 uL
- Removable cuvettes: semi-micro and Micro
- Continuous flow system with peristaltic pump incorporated
- Programmable Sipping Volume

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

Power / Dimensions

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

Quality Control Chart

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



JITM C Genes Pvt. Ltd.

H209, 1st Floor, Sector-63, Noida, U.P.-201301 (INDIA)
info@jitmcgenes.com, www.jitmcgenes.com | Customer Care No.: 87458 05386

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