

Sphera M

FULLY AUTOMATED CLINICAL CHEMISTRY ANALYZER



Puro Lusso Italiano • *Pure Italian Luxury*

THE FERRARI OF YOUR LABORATORY!



Sphera M Features

Up to
200

Tests per hour throughput
(without ISE)

< **1L**
per Hr

Minimal water consumption
per hour

8
Step

Comprehensive & effective
wash station

80

Reusable UV transmitting
Bionex plastic cuvettes

60

Sample positions with
Removable tray

210 µl

Minimum reaction volume

Made In Italy

Accurex has partnered with Edif Instrument's located in Rome, Italy 🇮🇹.

Italy is known for its state-of-art discoveries and technological advancements. Edif Instrument's offers highly advanced manufacturing processes and engineering as per international standards.

Sphera M is upto a 200 T/H, fully automated biochemistry analyzer manufactured with each spare part made and assembled in Italy. With verifiable European CE, the product sells in over 30 countries around the world!

🇮🇹 **PURO LUSSO ITALIANO** PURE ITALIAN LUXURY

➔ **ACCUREX**

🌐 www.accurex.net ☎ Customer Care: +91 7400 453 000



Why Sphera M is the Better Choice

1. REAGENT TRAY



- Removable refrigerated tray with 30 reagent positions for 50 ml or 20 ml bottles.
- Multiple virtual reagent disks can be programmed.
- Round-the-clock refrigeration independent from the main power switch.

2. SAMPLE TRAY



- Removable tray with 60 positions for sample/ blank/ calibrator/control/STAT samples.
- Multiple virtual sample disks can be programmed.

3. SAMPLING ARM



- Polished multi-function probe.
- Precision micropipette ensures accurate dispensing volumes (precision 1.5 CV% at 2 μ l; 1 CV% at 4 μ l).
- Capacitive liquid level detection & tracking function available & needle shock detector.

4. REACTION TRAY



- 80 reusable UV transmitting Bionex® plastic cuvettes.
- Long usage life: Upto 30,000 tests per rotor.
- Cuvettes can be replaced one by one.
- Heat transfer by air for fast & equal temperature distribution.

5. WASH STATION



- Comprehensive 8-step wash station for thorough cleaning of each cuvette.
- Two types of systemic and special washing solutions for effectively removing obstinate probe residues.

6. UNIQUE SOFTWARE DESIGN AND ARCHITECTURE



- Software designed for touch screen use.
- Intuitive user interface with free choice of execution order.
- An archive for results, with cumulative charts.

Exceptionally Accurate & Precise

Sphera M comes with multi level QC with "multi rules" according to Westgard rule, which provide high accuracy and incredible precision. Assays with a wide measurement range and high analytical sensitivity offer unmatched performance in clinical chemistry.

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Specifications For Sphera M

SPECIFICATIONS

Mode

Random-access, STAT

Sample / Reagent Handling

Sample Position: 60 positions
Sample volume: 2 – 300 µl
Sample Dilution: Automatic pre - (upto 1:100) and post-dilution
Reagent Position: 30 positions
Reagent volume: 5 – 350 µl
Sample / Reagent Probe: Needle shock detector and Capacitive liquid level detector
Probe cleaning: Internal and external automatic washing

Optical system

Measuring principle: Photometry
Light source: Halogen Lamp
Wavelength: 9 discrete wavelengths (340, 405, 505, 546, 578, 600, 650, 700 nm, one free position), 1 solid position for dark reading,
Band pass: + / - 5 nm
Absorption range: 0 – 2.5 Abs

Reaction System

Reaction Cuvette: 80 reusable Bionex® cuvettes
Reaction volume: 210 – 350 µl
Water consumption: <1L/H
Optical path: 6 mm
Reaction temperature: 37°C ± 2°C (Heat transfer by air)

Operation unit

Operating system: Windows 10 Pro
Interface: RS 232, Bi-directional, polling mode, ASTM, ethernet
External computer: Processor i3 Onwards, 2 GHz, 20 GB HDD, 512 MB RAM, CD/R, USB

Working condition

Power supply: 100 – 240 (wide range input), 50/60 Hz, < 200 VA
Dimension: 69 x 76 x 52 cm (W x D x H)
Temperature: 16 – 30°C, humidity < 80% (Non condensing)
Weight: 38 kg
Power: 100 – 240 (wide range, input), 50/60 Hz, < 240VA
Water Consumption: <1L

READY-TO-USE SYSTEM PACK REAGENTS

ALBUMIN
ALP
AMYLASE
ASO TURBI
BILIRUBIN (TOTAL & DIRECT)
BILIRUBIN (TOTAL)
BILIRUBIN (DIRECT)
CALCIUM
CHOLESTROL
CK-NAC
CREATININE ENZYMATIC
CRP TURBI
GLUCOSE
HBA1C
HDL DIRECT
PHOSPHORUS
LDH
LDL DIRECT
MAGNESIUM
RF TURBI
SGOT
SGPT
TOTAL PROTEIN
TRIGLYCERIDES
UREA UV
URIC ACID
GAMMA GT
CONTROL & CALIBRATORS



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BRANCH OFFICE

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