



OBio...

Supporting Care to Cure

A Division of Orchard Medical

SEMI AUTOMATED CHEMISTRY ANALYSER

Your trusted partner in delivering unparalleled precision and reliability in every test.



OBio-Semi does clinical biochemistry-related measurements, such as regular blood test, liver function, renal function, blood sugar, blood fat, myocardium enzymogram, immunoglobulin, mineral substance, etc.

COMPACT SIZED, YET IMPRESSIVELY ROBUST IN ANALYTICAL CAPABILITIES

- * A perfect Semi-automated benchtop clinical chemistry analyser
- * Easy-to-train, operate and maintain
- * Does not required warm up time
- * Unidirectional host connection

Dual testing modes:
Flowcell or Cuvette;
easy to shift
between modes



For laboratories prioritizing efficiency and versatility without having inbuilt incubator, zellechem-SR delivers precision analysis in a compact and portable package.

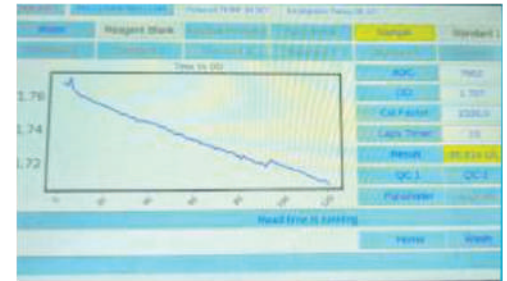
OBio-Semi

OBio-Semi

With inbuilt incubation features, this solution ensures accurate results across a wide range of clinical parameters, from blood tests to enzyme assays.



Truely user-friendly software
Easy to set parameters
Less reagent consumption
Economical & time saving



ASPIRATION SYSTEM

- Endpoint with or without reagent blank
- Endpoint with sample blank and reagent blank
- Kinetics with or without reagent blank
- Two-point Kinetics/Fixed-time with or without reagent blank
- Linear and non-linear calibration

Wavelength Range

- Optical unit with 8 position filter wheel
- Detector - Photo diode (320-1000 nm)

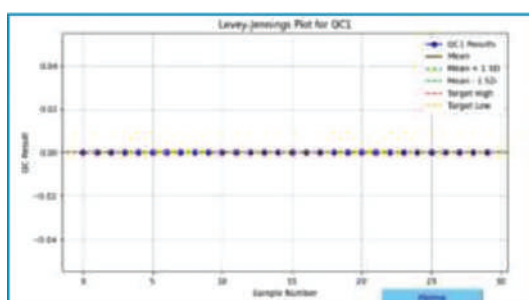
Temperature Control

- By means of Peltier elements
- Range from 25°C -37°C

Operator Interface

- Optional external keyboard
- High contrast graphical 7" colour touch screen display
- Real time clock, 24 hours system

Quality Control



- Two controls per test
- QC check of last 30 control measurements
- Levey Jenning plot
- High/low flags

Technical Specifications

Analysis methods	End point, Kinetic, Fix time (2 Point Kinetic), Bichromatic, Absorbance
Calibration type	1- Point linear (Factor), 2- Point linear, Multi-standard (Linear & non-linear/Line graph)
Wave lengths (Filters)	340, 405, 505, 546, 578, 630nm; 2 extra spaces for optional filters
Light source	12V/10W Halogen lamp (320-1000 nm)
Photometric range	0.000-3.000 Abs
Stability	< 0.005 Abs/hr
Flowcell volume	18/32 ul
Cuvette mode	Available
Temperature control	Peltier controlled; 25°C 37°C
Test programmable	100 programs
Result storage	More than 10,000 result stored along with graphs in PDF format (USB)
Aspiration system	Peristaltic pump with minimum aspiration from 200 µl to 1000 µl
Power supply	110-230V AC 50Hz/60Hz
Ambient temperature (Operating conditions)	15°C - 37°C, with fluctuation less than ±2°C/H
Relative humidity (Operating conditions)	35% RH-80% RH, without condensation
Quality Control	2 level QC program with L-J graph
Display	7" color LCD touch screen
External mouse	External USB mouse attachable
External keyboard	External USB keyboard attachable
External keyboard	External USB keyboard attachable
Printer	Thermal printer
Patient ID	Alpha numeric up to 16 digits
Communication interface	LIS (RS-232), HL7 protocol
Dimension & Weight	300(L) x 350(W) x 130(H)mm, 5.0kg

Product Code	OBio-Semi 01	OBio-Semi 02	OBio-F01	OBioPRT	OBioPR
	OBio-Semi WITHOUT INCUBATOR	OBio-Semi WITH INCUBATOR	FLOWCELL CUVETTE	THERMAL PRINTER	PRINTER ROLL

