

**ZellECHEM<sup>®</sup>**

# SEMI AUTOMATIC CHEMISTRY ANALYSER

Designed to deliver high accuracy and quality results.



 [www.ssqlc.com](http://www.ssqlc.com)

**ZelleCHEM**<sup>®</sup> does clinical biochemistry-related measurements, such as regular blood test, liver function, renal function, blood sugar, blood fat, myocardium enzymogram, immunoglobulin, mineral substance, etc.

- A perfect Semi-automated benchtop clinical chemistry analyzer
- A 7" color touch screen and qwerty keyboard permits you interactive and instinctive operations
- Easy-to-train, operate and maintain
- Up to 100 can be programmed in
- Always ready to perform not required warm up time
- Unidirectional host connection
- Up to 8 programmable wavelengths
- Less reagent consumption
- Economical & time saving



COMPACT SIZED, YET IMPRESSIVELY ROBUST IN ANALYTICAL CAPABILITIES.



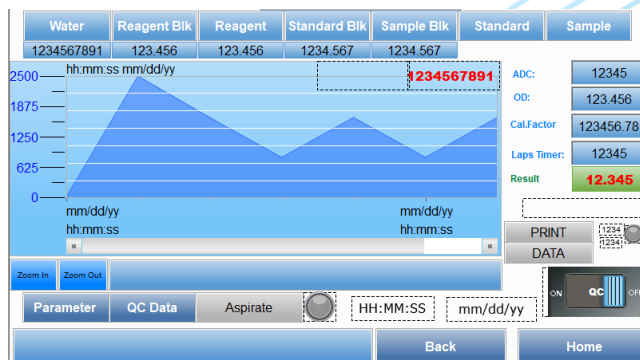
**SIPPER SYSTEM**



**INCUBATION**

## Analysis Method

- 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
- Absorbance
- Linear and non-linear calibration



## Wavelength Range

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

## Temperature Control

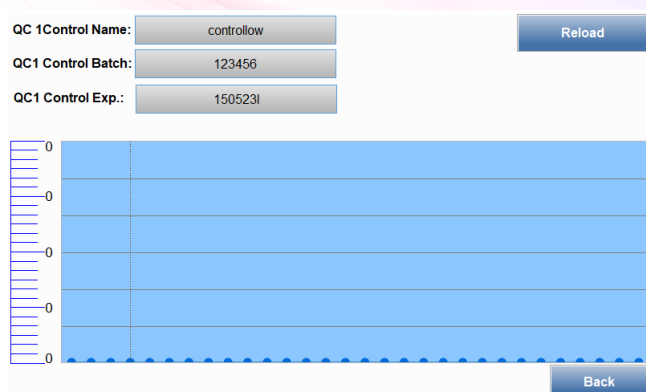
- By means of Peltier elements
- Fixed temperature at 37°C

## 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.

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




<b>Analysis methods</b>	End point, Kinetic, Fix time (2 Point Kinetic), Bichromatic, Absorbance
<b>Calibration type</b>	1- Point linear (Factor), 2- Point linear, Multi-standard (Linear & non-linear/Line graph)
<b>Wave lengths (Filters)</b>	340, 405, 505, 546, 578, 630nm; 2 extra spaces for optional filters
<b>Light source</b>	12V/10W Halogen lamp (320-1000 nm)
<b>Photometric range</b>	0.000 - 3.000 Abs
<b>Stability</b>	< 0.005 Abs/hr
<b>Flowcell volume</b>	32 µL
<b>Cuvette mode</b>	Available
<b>Temperature control</b>	Peltier controlled; RT, 25°C, 30°C and 37
<b>Test programmable</b>	80 programs
<b>Result storage</b>	9999 result stored along with graphs in PDF format (USB)
<b>Aspiration system</b>	Peristaltic pump with minimum aspiration from 200 µL to 1000 µL
<b>Power requirement</b>	110-230V AC 50Hz/60Hz
<b>Ambient temperature (Operating conditions)</b>	15°C ~ 37°C, with fluctuation less than ±2°C/H
<b>Relative humidity (Operating conditions)</b>	35% RH - 80% RH, without condensation.
<b>Quality Control</b>	2 level QC program with L - J graph
<b>Display</b>	7" color LCD touch screen
<b>External mouse</b>	External USB mouse attachable
<b>External keyboard</b>	External USB keyboard attachable
<b>Printer</b>	Built-in thermal printer
<b>Patient ID</b>	Alpha numeric up to 16 digits
<b>Communication interface</b>	LIS (RS-232), HL7 protocol
<b>Dimension &amp; Weight</b>	300(L) X 350(W) X 130(H)mm, 5.0kg
<b>Standards &amp; Regulations</b>	ISO 13485, USFDA registered, CDSCO registered, CE certified IEC 61010-1:2010/AMD 1:2016, IEC 61010-1:2010, IEC 61010-2-101:2018, IEC 61326-1:2020, IEC 61326-2-6:2020


<b>Product Code :</b>	<b>ZCH01</b>	<b>ZCH02</b>	<b>ZCPRT</b>	<b>ZPRL</b>
	ZELLECHEM SR	ZELLECHEM PRO	ZELLECHEM PRINTER	PRINTER PAPER ROLL

## Head Office

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