

# ZelleCHEM<sup>®</sup>



ZelleCHEM<sup>®</sup>  
PRO



ZelleCHEM<sup>®</sup>  
SR

## SEMI AUTOMATED CHEMISTRY ANALYSER

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



**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.

## COMPACT SIZED, YET IMPRESSIVELY ROBUST IN ANALYTICAL CAPABILITIES

- A perfect Semi-automated benchtop clinical chemistry analyser
- Easy-to-train, operate and maintain
- Unidirectional host connection

**“Inbuilt incubation and printer”**



**ZelleCHEM**<sup>®</sup>  
SR



**ZelleCHEM**<sup>®</sup>  
PRO

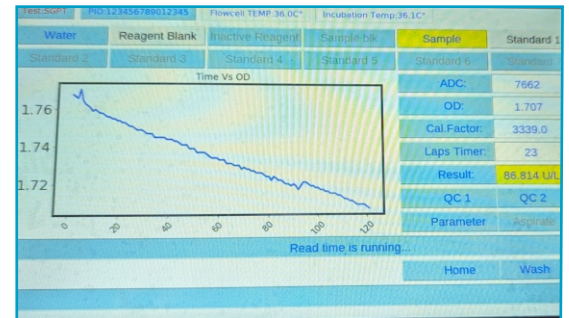
- For laboratories prioritizing efficiency and versatility with inbuilt incubation & printer.
- This solution ensures accurate results across a wide range of clinical parameters, from blood test to enzyme assays.
- Zellechem models delivers precision analysis in a compact and portable package.



ASPIRATION SYSTEM

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

## 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
- Linear and non-linear calibration

## Wavelength Range

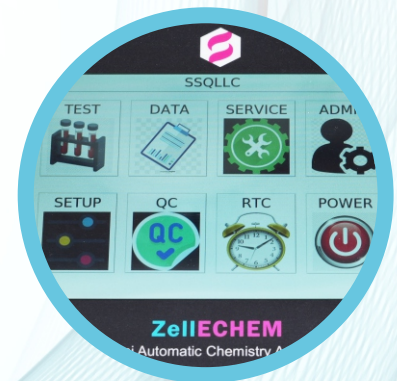
- Optical unit with 8 position filter wheel
- Detector - Photo diode (320-1000 nm)

## Temperature Control

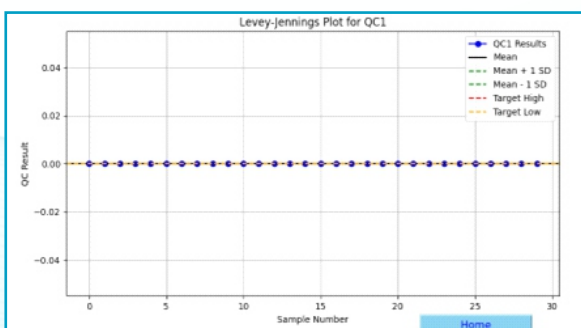
- By means of Peltier elements
- Range from 25°C - 37°C

## 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


<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>	18/32 µL
<b>Cuvette mode</b>	Available with Zellechem Pro only (optional)
<b>Temperature control</b>	Paper heater controlled 25°C – 37°C
<b>Test programmable</b>	100 programs
<b>Result storage</b>	9999 result storage
<b>Aspiration system</b>	Peristaltic pump with minimum aspiration from 200 µL to 1000 µL
<b>Power supply</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>	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>	<b>Zellechem SR</b> – 370 (L) x 280 (w) x 210 (H), 5.0 kg <b>Zellechem Pro</b> – 300 (L) x 350 (w) x 130 (H), 5.0 kg
<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

Product Code :	ZCH01	ZCH02	ZCPRT	ZPRL
	ZELLECHEM Pro	ZELLECHEM SR	ZELLECHEM PRINTER	PRINTER PAPER ROLL

## Head Office

 **Sterile Safequip® USA LLC**

 +1 847 254 0818 | +91 99786 55778

 1493, Burberry LN, Schaumburg,  
IL 60173, USA.

 info@ssqllc.com

 www.ssqllc.com

## Manufactured by

 **Sterile Safequip & Chemicals LLP.®**

 Plot No. 31, Panchratna Industrial Estate,  
Off S.P. Ring Road, ODE Village,  
Ahmedabad, Gujarat-382425. INDIA.