



ZelIECHEM ANALYSER

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



ZellECHEM 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”**

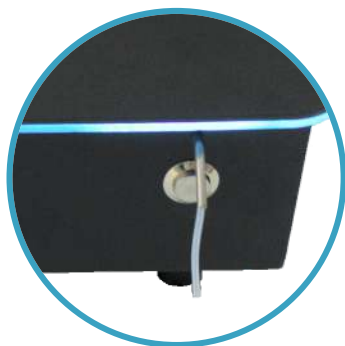


ZellECHEM[®]
SR



ZellECHEM[®]
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

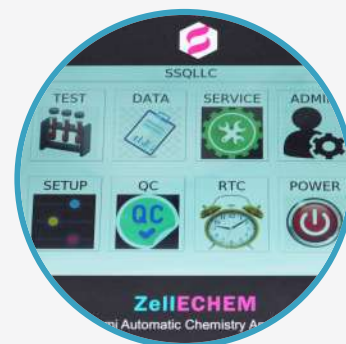
- Optical unit with 8 position filter wheel
- Detector - Photo diode (320-1000 nm)

Temperature Control

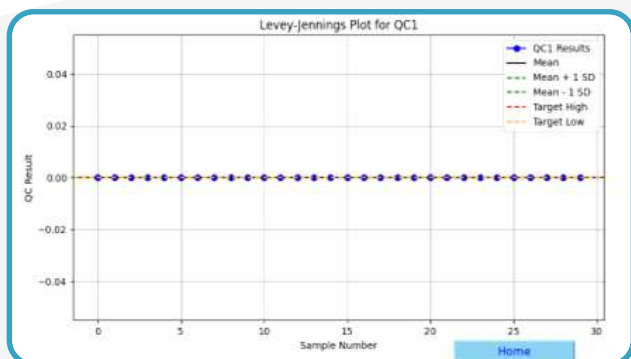
- By means of Peltier elements
- Range from 25°C - 37°C

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

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 (Filter)	340, 405, 505, 546, 578, 630 nm; 2 extra spaces for optional filters			
Light source	12 V / 20 W Halogen lamp (320 - 1000 nm)			
Photometric range	0.000 - 3.000 Abs			
Stability	< 0.005 Abs / hr			
Flowcell volume	18 / 32 µL			
Cuvetta mode	Available with Zellechem Pro only (optional)			
Temperature control	Paper heater controlled 25°C - 37°C			
Test programmable	100 programs			
Memory	More than 10,000 result storage			
Aspiration system	Peristaltic pump with minimum aspiration from 200 µL to 1000 µL			
Power supply	110 - 230 V AC 50 Hz/60 Hz			
Ambient temperature (OC)	15°C - 37°C, with fluctuation less than ±2°C / H			
Relative humidity (OC)	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			
Printer	Thermal printer			
Patient ID	Alpha numeric up to 16 digits			
Communication interface	LIC (RS-232) HL7 protocol			
Dimension & Weight	Zellechem SR - 370 (L) x 280 (W) x 210 (H), 5.0 kg Zellechem Pro - 300 (L) x 350 (W) x 130 (H), 5.0 kg			
Standards & Regulations	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	ZELLECHEM PRO	ZELLECHEM SR	ZELLECHEM PRINTER	PRINTER PAPER ROLL
Code	ZCH01	ZCH02	ZCPRT	ZPRL

