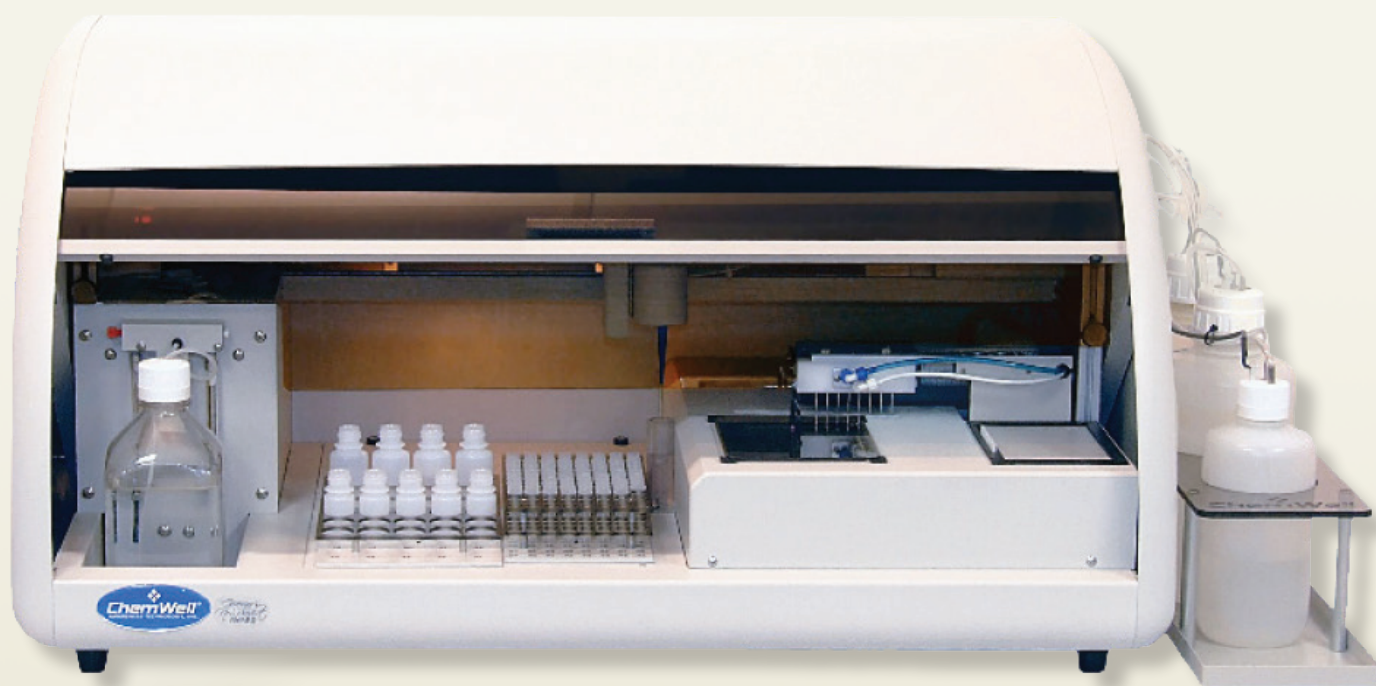




ChemWell[®] 2910

Automated EIA & Chemistry Analyser

Programmed Protocols for Megazyme Test Kits



ChemWell[®] 2910 is a fully automated analyser capable of performing both EIAs & biochemistry assays. With a completely open system that is easy to program, ChemWell[®] 2910 is durable, accurate & precise, meeting the needs of higher throughput labs.



Typical Throughput:	Up to 200 endpoint reactions per hour, up to 170 kinetic reactions per hour.
Typical Reaction Volume:	250 µL or less.
Power Requirement:	100V - 240V AC, 160W, 50-60Hz (universal input, auto sensing).
Dimensions:	36.25" (92.1 cm) width, 18.75" (47.6 cm) height, 21.5" (54.6 cm) depth.
Weight:	Approximate weight 80 lbs (36 kg).
General	
Capabilities:	Dilution, pre-dilution, dispensing single or multiple reagents.
Pumps:	Two syringe pumps, sized 50 µL & 2.5 mL.
Probes:	316 L stainless steel for maximum reagent compatibility, level sensing.
Min. & Max. Volume:	2 µL - 1.95 mL.
Precision for Volumes < 5 µL:	< 2.5% CV.
Precision for Volumes > 5 µL:	< 1% CV.
Max. number of Specimens:	96 (including calibrators & controls).
Max. numbers of Reagents:	Typically 27 to 44 or more (you can program reagents to go into the sample rack; assorted replaceable racks & custom designed racks are available for various bottle sizes).
Standard Reagent Rack:	27 positions, other configurations optional.
Reaction Vessel:	Standard microwells, strips or plates.
Instrument Bottles:	2 L wash with low volume warning sensor. 1 L rinse (or second wash) with low volume warning sensor. 2 L waste bottle with full sensor. 1 L priming bottle. Drain bottle (not supplied).
Incubating, Timing & Temperature Control	
EIA Mode:	Incubation timing is software controlled & automatically optimised.
Thermal Control:	Well, probe & tubing; ambient or 37°C (other options also available).
Reagent Cooling:	RCA, Reagent Cooling Accessory (optional) cools 12° to 15°C below ambient through Peltier thermoelectric modules connected to an external controller.
Washing	
Wash Head:	8 probe, automatic prime & rinse.
Programs:	Wash protocols are user-programmable for aspirate, dispense, soak, mix.
Reading	
Optical Design:	Reads bichromatic absorbance in 4 channels. User-selected monochromatic or bichromatic results. 8 position filter wheel: 340, 405, 450, 505, 545, 580, 630, 700 or custom. Long life, hard coat, ion assisted deposition, 10 nm typical half bandpass.
Interference Filters:	0.00 to 3.0A.
Linear Range:	± 1% or better, NIST traceable calibration.
Photometer Accuracy:	
Software	
Format:	CD-ROM & internet upgrades.
Supports:	Windows® XP, Vista, or 7 with CD drive, serial or USB port (computer not supplied).
Calculation Modes:	Absorbance, single standard, factor, fixed time kinetics, kinetics by multipoint, kinetics by standard or factor, multipoint, linear regressions, polynomial, cubic spline, 4-parameter, cutoff by absorbance or standard & more. Supplied with programmed protocols for Megazyme test kits.
Self Monitoring Modes:	Lamp, bottle volumes, filters, pressure, vacuum, mechanical function & more.
QC Options:	Store control data, print Levey-Jennings or QC range plots.
Certifications:	NRTL listed, CE marked.

