

General

Min. and Max. Volume

Typical throughput Typical reaction volume

Dimensions

up to 200 endpoint reactions per hour, up to 170 kinetic reactions per hour

36.25"(92.1cm) width, 18.75"(47.6cm) height, 21.5"(54.6cm) depth,

Approximate weight 80 lbs (36Kg)

Reagent and Sampling Dispensing

dilution, pre-dilution, dispensing single or multiple reagents Capabilities

two syringe pumps, sized 50µL and 2.5mL **Pumps Probes**

316 stainless steel for maximum reagent compatibility, level sensing

2uL - 1.95mL <2.5% CV <1% CV

Precision for volumes >5µL

Maximum number of specimens

Maximum number of reagents

Precision for volumes <5µL

96, (including calibrators and controls)

typically 27 to 44 or more (you can program reagents to go in the sample rack; assorted replaceable racks and custom designed racks are available for

various bottle sizes)

Standard reagent rack

Reaction vessel

EIA mode

Programs

Optical design

Linear Range

Interference filters

Photometer Accuracy

Thermal control

Reagent cooling

Instrument bottles

standard micro wells, strips or plates

2L wash with low volume warning sensor

1L rinse (or second wash) with low volume warning sensor

2L waste bottle with full sensor

1L priming bottle

drain bottle (not supplied)

Incubating, timing and temperature control

incubation timing is software controlled; set each row of 8 to time separately

or time the whole plate together

well, probe, and tubing; ambient or 37°C (other options also available) RCA, Reagent Cooling Accessory (optional) cools 12° to 15°C below

ambient through peltier thermoelectric modules connected to an external

Washing Wash head 8-probe, automatic prime and rinse

create and run user programmable protocols, aspirate, dispense, soak, mix

Reading

reads bichromatic absorbance in 4 simultaneous channels,

user selected monochromatic or bichromatic results

8 position filter wheel: 340, 405, 450, 505, 545, 600, 630, 700 or custom

long life, hard coat, ion assisted deposition, 10nm typical half bandpass

± 1% or better. NIST traceable calibration

Format **Supports**

Minimum system

Recommended system

Calculation modes

QC options

Self monitoring modes

CD-ROM and internet upgrades

Windows[®] 98, 2000, NT 4.0, or XP (Computer not supplied)

Pentium[®]II/233 MHz, 64 MB RAM, VGA monitor, 100MB free drive space

serial port or USB port with serial adapter

Pentium[®]II/333 Mhz, 128MB RAM, Windows[®] 98 or higher, CD drive, SVGA

absorbance, single standard, factor, fixed time kinetics, kinetics by multipoint, kinetics by standard or factor, multipoint, linear regressions, log logit, polynomial,

cubic spline, 4-parameter, cutoff by absorbance or standard, and more lamp, bottle volumes, filters, pressure, vacuum, mechanical function, and more

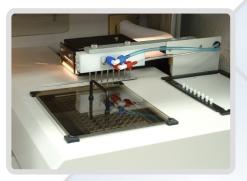
store control data, print Levey Jennings or QC range plots

Certifications

NRTL Listed. CE Marked

Awareness Technology is certified under ISO 13485:2003

Chem Well® 2910 **Biochemistry** and **EIA**



combined in one modern system











ChemWell® 2910

For the modern laboratory



An open system you can program for the reagent applications of your choice

ChemWell[®] is a completely open system that is easy to program.

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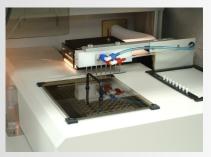
Precise pipetting of low volume specimens, elimination of carry over, and careful control of temperature are all essential for reliable results.

ChemWell can make pre-dilutions, however this is seldom necessary since a high level of precision is achieved even with a 2uL sample. Carry over is eliminated without the need for disposable pipet tips. A unique wash cup assures cleaning inside and out. In addition, extra washes may be programmed for any particularly sensitive assay. With a completely open system you can program additional wash volume, or increase the number of washes, or even direct the probe to pick up and dispense a probe cleaning solution after each specimen.

ChemWell can process EIA at ambient temperature or 37C. An incubator is provided for biochemisty wells to assure precise kinetic reactions. The probe is also temperature-controlled to deliver 37C reagents. An optional reagent cooling accessory (RCA) is available to protect reagents from ambient heat. Removable racks can be refrigerated, pre-loaded and ready for the next use.

















200 tests per hour No carry-over **Liquid-sensing** probe tip

wash head level-sensing wash, rinse, and waste bottles LIS

STAT QC trackina self-monitoring reflex testing

Reaction olume < 250uL No custom disposables IAD filters

220 or 110 VAC input safety shields removable racks

easy to maintain makes automatic service reports low cost lamps

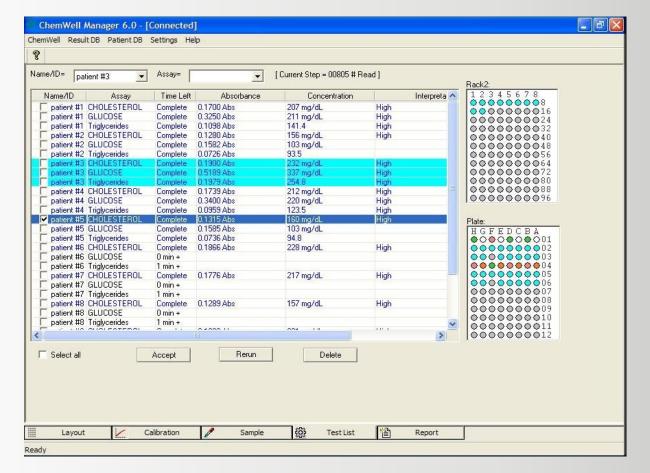
Well to automatically make dilutions, dispense reagents, incubate, wash, read, and prepare final reports. Alternately, you can program ChemWell as either a batch analyzer or a continuous loading random-access analyzer for performing clinical biochemistry tests.

ChemWell[®] is truly two instruments in one.

ChemWell uses standard off-the shelf microwells for all reactions.

Uncoated microwells make low volume sample cups for biochemistry. They can also be washed for re-use. Performing biochemistry assays in microwells offers many advantages. Among them are increased throughput and decreased cost per test. ChemWell reads vertically using 4 optical channels and 8 wavelengths.

Set up a full or partial plate of enzyme immuno assays (EIA) and program Chem



- 1. Choose either the chemistry or the EIA mode.
- 2. Load reagents, samples, and micro-wells.
- 3. Select assays and reports you want to see.

THE REST IS AUTOMATIC

ChemWell® 2910

For the modern laboratory